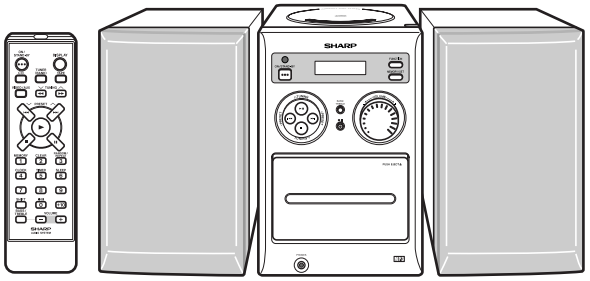
# SHARP SERVICE MANUAL

No. S2518XLMP40H/



## MICRO COMPONENT SYSTEM

## MODEL XL-MP40H

**XL-MP40H Micro Component System consisting of XL-MP40H (main unit) and CP-MP40H (speaker system).**

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

- **Note for users in U.K.**
  Recording and playback of any material may require consent which SHARP is unable to give. Please refer particularly to the provisions of Copyright Act 1956, the Dramatic and Musical Performers Protection Act 1956, the Performers Protection Acts 1963 and 1972 and to any subsequent statutory enactments and orders.

COMPACT disc DIGITAL AUDIO

CD-R/RW Playable

SAVING ENERGY STAND-BY POWER CONSUMPTION 0.9W

ENERGY (Except for U.K.)

MP3

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**Parts Guide**

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

# PRECAUTIONS FOR USING LEAD-FREE SOLDER

**1. Employing lead-free solder**

"MAIN,DISPLAY,LED,POWER,SWITCH,JACK PWB," of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWB and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

Sn-Ag-Cu Indicates lead-free solder of tin, silver and copper.

**2. Using lead-free wire solder**

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

**3. Soldering**

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corrected. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

| Ref No. | Parts No. | Description |
|---|---|---|
| PWB-A1 | DCEKKV512SJ03 | MAIN |
| PWB-A2 | DCEKKV512SJ03 | DISPLAY |
| PWB-A3 | DCEKKV512SJ03 | POWER |
| PWB-A4 | DCEKKV512SJ03 | LED |
| PWB-A5 | DCEKKV512SJ03 | JACK |
| PWB-A6 | DCEKKV512SJ03 | SWITCH |

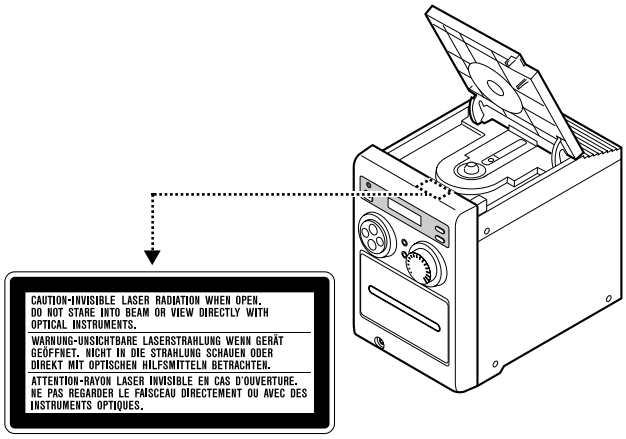
# CHAPTER 1. GENERAL DESCRIPTION

## [1] SAFETY PRECAUTION FOR SERVICE MANUAL

**Precaution to be taken when replacing and servicing the Laser Pickup.**

The AEL (Accessible Emission Level) of Laser Power Output for this model is specified to be lower than Class 1 Requirements. However, the following precautions must be observed during servicing to protect your eyes against exposure to the Laser beam.

1) When the cabinet has been removed, the power is turned on without a compact disc, and the Pickup is on a position outer than the lead-in position, the Laser will light for several seconds to detect a disc. Do not look into the Pickup Lens.
2) The Laser Power Output of the Pickup inside the unit and replacement service parts have already been adjusted prior to shipping.
3) No adjustment to the Laser Power should be attempted when replacing or servicing the Pickup.
4) Under no circumstances look directly into the Pickup Lens at any time.
5) CAUTION - Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.


CAUTION-INVISIBLE LASER RADIATION WHEN OPEN.
DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.
WARNUNG-UNSICHTBARE LASERSTRAHLUNG WENN GERÄT GEÖFFNET. NICHT IN DIE STRAHLUNG SCHAUEN ODER DIREKT MIT OPTISCHEN HILFSMITTELN BETRACHTEN.
ATTENTION-RAYON LASER INVISIBLE EN CAS D'OUVERTURE. NE PAS REGARDER LE FAISCEAU DIRECTEMENT OU AVEC DES INSTRUMENTS OPTIQUES.

Laser Diode Properties
Material: GaAlAs
Wavelength: 780 nm
Emission Duration: continuous
Laser Output: max. 0.6 mW

ADVARSEL-USYNLIG LASERSTRÅLING VED ÅBNING. SE IKKE IND I STRÅLEN-HELLER IKKE MED OPTISKE INSTRUMENTER.

VARO! AVATTAESSA OLET ALTTIINA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUIJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LÄPI.

VARNING-OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN GENOM OPTISKT INSTRUMENT.

**VAROITUS! LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.**

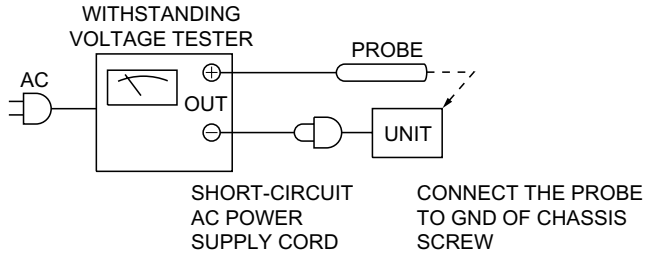
**VARNING - OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERAS. KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASER-STRÅLNING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.**

## [2] IMPORTANT SERVICE NOTES (FOR U.K. ONLY)

Before returning the unit to the customer after completion of a repair or adjustment it is necessary for the following withstand voltage test to be applied to ensure the unit is safe for the customer to use.

Setting of Withstanding Voltage Tester and set.

| Set name | set value |
|---|---|
| Withstanding Voltage Tester | |
| Test voltage | 4,240 VPEAK<br>3,000 VRMS |
| Set time | 6 secs |
| Set current (Cutoff current) | 4 mA |
| Unit | |
| Judgment | |
| OK: The “GOOD” lamp lights.<br>NG: The “NG” lamp lights and the buzzer sounds. | |



FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

# [3] SPECIFICATIONS

**Except for U.K.**

## ■ General

| | |
|---|---|
| **Power source** | AC 230 V, 50 Hz |
| **Power consumption** | Power on: 25 W<br>Power stand-by: 0.9 W |
| **Dimensions** | Width: 160 mm (6-5/16")<br>Height: 240 mm (9-1/2")<br>Depth: 245 mm (10") |
| **Weight** | 2.5 kg (5.5 lbs.) |

## ■ Amplifier

| | |
|---|---|
| **Output power** | PMPO: 30 W (total)<br>MPO: 15 W (7.5 W + 7.5 W) (DIN 45 324)<br>RMS: 10 W (5 W + 5 W) (DIN 45 324) |
| **Output terminals** | Speakers: 4 ohms<br>Headphones: 16 - 50 ohms (recommended: 32 ohms) |
| **Input terminals** | Video/Auxiliary (audio signal): 500 mV/47 k ohms |

## ■ Tuner

| | |
|---|---|
| **Frequency range** | FM: 87.5 - 108.0 MHz<br>AM: 522 - 1,620 kHz |

## ■ CD player

| | |
|---|---|
| **Type** | Compact disc player |
| **Signal readout** | Non-contact, 3-beam semiconductor laser pickup |
| **D/A converter** | 1-bit D/A converter |
| **Frequency response** | 20 - 20,000 Hz |
| **Dynamic range** | 90 dB (1 kHz) |

## ■ Cassette deck

| | |
|---|---|
| **Frequency response** | 50 - 14,000 Hz (normal tape) |
| **Signal/noise ratio** | 50 dB (recording/playback) |
| **Wow and flutter** | 0.35 % (DIN 45 511) |

## ■ Speaker

| | |
|---|---|
| **Type** | 10 cm (4") full-range speaker |
| **Maximum input power** | 10 W |
| **Rated input power** | 5 W |
| **Impedance** | 4 ohms |
| **Dimensions** | Width: 145 mm (5-3/4")<br>Height: 240 mm (9-1/2")<br>Depth: 180 mm (7-1/16") |
| **Weight** | 1.4 kg (3.1 lbs.)/each |

**For U.K.**

## ■ General

| | |
|---|---|
| **Power source** | AC 230 V - 240V, 50 Hz |
| **Power consumption** | Power on: 25 W<br>Power stand-by: 0.9 W |
| **Dimensions** | Width: 160 mm (6-5/16")<br>Height: 240 mm (9-1/2")<br>Depth: 245 mm (10") |
| **Weight** | 2.5 kg (5.5 lbs.) |

## ■ Amplifier

| | |
|---|---|
| **Output power** | RMS: 10 W (5 W + 5 W) (10 % T.H.D.) |
| **Output terminals** | Speakers: 4 ohms<br>Headphones: 16 - 50 ohms (recommended: 32 ohms) |
| **Input terminals** | Video/Auxiliary (audio signal): 500 mV/47 k ohms |

## ■ Tuner

| | |
|---|---|
| **Frequency range** | FM: 87.5 - 108.0 MHz<br>AM: 522 - 1,620 kHz |

## ■ CD player

| | |
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| **Type** | Compact disc player |
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| **Frequency response** | 20 - 20,000 Hz |
| **Dynamic range** | 90 dB (1 kHz) |

## ■ Cassette deck

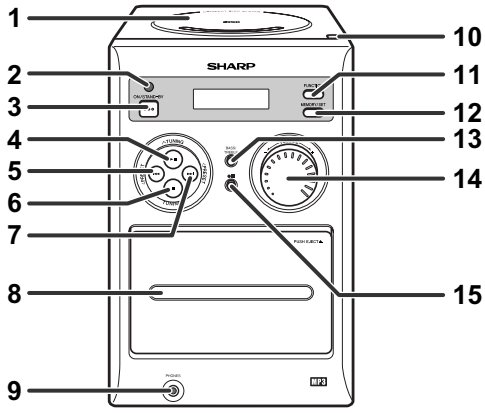
| | |
|---|---|
| **Frequency response** | 50 - 14,000 Hz (normal tape) |
| **Signal/noise ratio** | 50 dB (recording/playback) |
| **Wow and flutter** | 0.3 % (WRMS) |

## ■ Speaker

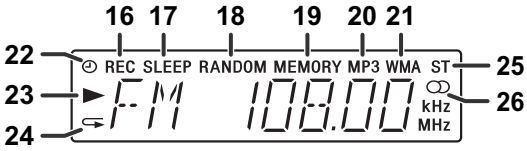
| | |
|---|---|
| **Type** | 10 cm (4") full-range speaker |
| **Maximum input power** | 10 W |
| **Rated input power** | 5 W |
| **Impedance** | 4 ohms |
| **Dimensions** | Width: 145 mm (5-3/4")<br>Height: 240 mm (9-1/2")<br>Depth: 180 mm (7-1/16") |
| **Weight** | 1.4 kg (3.1 lbs.)/each |

Specifications for this model are subject to change without prior notice.

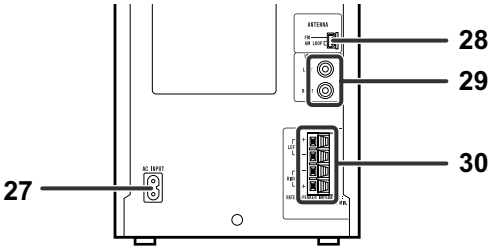
## [4] NAMES OF PARTS



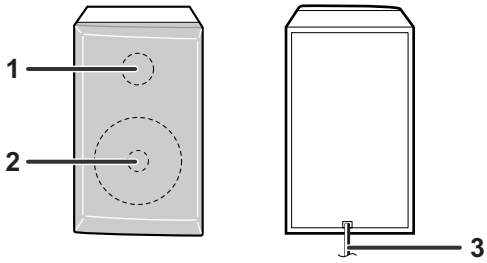

1.Disc Compartment
2.Remote Sensor
3.On/Stand-by Button
4.Disc Play or Pause, Tape Play, Tuning Up Button
5.Disc Track Down or Fast Reverse, Tape Rewind, Tuner Preset Down Button
6.Disc or Tape Stop, Tuning Down Button
7.Disc Track Up or Fast Forward, Tape Fast Forward, Tuner Preset Up Button
8.Cassette Compartment
9.Headphone Socket
10.Disc Eject Button
11.Function Selector Button
12.Memory/Set Button
13.Bass/Treble Selector Button
14.Volume Control
15.Tape Record Pause Button




16.Tape Record Indicator
17.Sleep Indicator
18.Disc Random Play Indicator
19.Memory Indicator
20.MP3 Track Indicator
21.WMA Track Indicator
22.Timer Play Indicator
23.Disc Play Indicator
24.Disc Repeat Indicator
25.FM Stereo Mode Indicator
26.FM Stereo Receiving Indicator

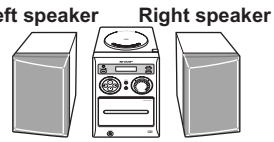



27.AC Power Input Socket
28.FM/AM Loop Aerial Socket
29.Video/Auxiliary (Audio Signal) Input Sockets
30.Speaker Terminals

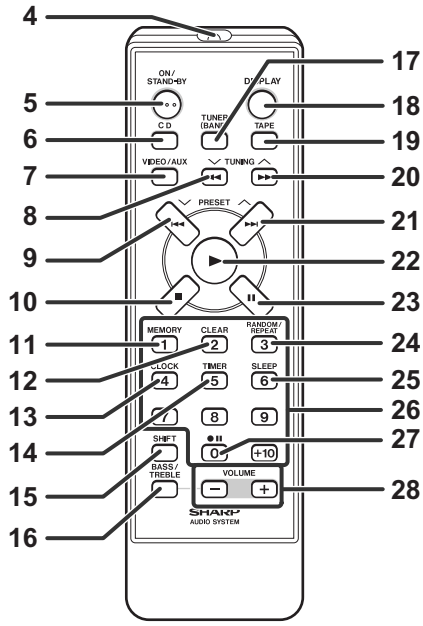



1.Bass Reflex Duct
2.Full-Range Speaker
3.Speaker Wire

**Placing the speaker system:**
The left and right speakers have individual shapes. For best performance, place the speakers according to the illustration on the right.




**Note:**
The speaker grilles are not removable.




4.Remote Control Transmitter
5.On/Stand-by Button
6.Disc Button
7.Video/Auxiliary Button
8.Disc Fast Reverse, Tuning Down Button
9.Disc Track Down, Tape Rewind, Tuner Preset Down, Time Down Button
10.Disc or Tape Stop Button
11.Memory Button
12.Clear Button
13.Clock Button
14.Timer Button
15.Shift Button
16.Bass/Treble Selector Button
17.Tuner and Band Selector Button
18.MP3/WMA Display Button
19.Tape Button
20.Disc Fast Forward, Tuning Up Button
21.Disc Track Up, Tape Fast Forward, Tuner Preset Up, Time Up Button
22.Disc or Tape Play Button
23.Disc Pause Button
24.Random/Repeat Button
25.Sleep Button
26.Direct Search Buttons
27.Tape Record Pause Button
28.Volume Up and Down Buttons

# CHAPTER 2. ADJUSTMENTS

## [1] ADJUSTMENT

### 1. MECHANISM SECTION

**• Driving Force Check**

| Torque Meter | Specified Value |
|---|---|
| Play: TW-2412 | Over 80 g |

**• Torque Check**

| Torque Meter | Specified Value |
|---|---|
| Play: TW-2111 | 30 to 60 g.cm |
| Fast forward: TW-2231 | 55 to 140 g.cm |
| Rewind: TW-2231 | 55 to 140 g.cm |

**• Tape Speed**

| Test Tape | Adjusting Point | Specified Value | Instrument Connection |
|---|---|---|---|
| MTT-111 | Variable Resistor in motor. | 3,000 ± 30 Hz | Headphone Terminal |

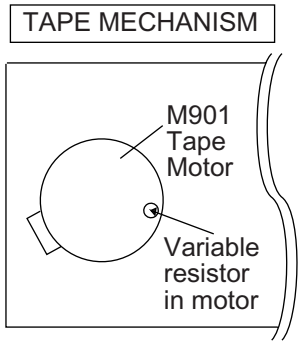



**Figure 1**

### 2. TUNER SECTION

fL: Low-range frequency

fH: High-range frequency

**• AM IF/RF**

Signal generator: 400 Hz, 30%, AM modulated

| Test Stage | Frequency | Frequency Display | Setting/ Adjusting Parts | Instrument Connection |
|---|---|---|---|---|
| IF | 450 kHz | 1,602 kHz | L305 | *1 |
| AM Band Coverage | — | 522 kHz | (fL): L306 1.1 ± 0.1 V | *2 |
| AM Tracking | 990 kHz | 990 kHz | L302 | *3 |

*1. Input: IC301 1Pin Output: IC301 23Pin
*2. Input: Input is not connected Output: TP-VT (IC301 28Pin)
*3. Input: Antenna Output:IC301 23Pin

**• Check FM VT**

Signal generator: 1 kHz, 40 kHz dev., FM modulated

| Frequency | Display | Check Point | Instrument Connection |
|---|---|---|---|
| 87.5 MHz | 87.5 MHz | 1.5V ± 1.0V | TP-VT |
| 108 MHz | 108 MHz | 5.0V ± 1.0V | TP-VT |

**• FM Mute Level**

Signal generator: 1 kHz, 40 kHz dev., FM modulated

| Frequency | Display | Adjusting Parts | Instrument Connection |
|---|---|---|---|
| 98.00 MHz (30 dBμV) | 98.00 MHz | - | Input: CNP301 Output: Speaker Terminal |

**• FM Detection**

Signal generator: 10.7 MHz FM sweep generator

| Test Stage | Frequency | Frequency Display | Setting/ Adjusting Parts | Instrument Connection |
|---|---|---|---|---|
| FM IF | 10.7 MHz | 98.00 MHz | - | Input: Pin 36 of IC301 Output: Pin 23 of IC301 |

**• FM RF**

Signal generator: 1 kHz, 75 kHz dev., FM modulated

| Test Stage | Frequency | Frequency Display | Setting/ Adjusting Parts | Instrument Connection |
|---|---|---|---|---|
| FM Band Coverage | — | 87.50 MHz | (fL): L307 1.5 ± 0.1 V | *1 |
| FM RF | 98.00 MHz (10 ~ 30dB) | 98.00 MHz | L304 | *1 |

*1. Input: Antenna Output: 23 Pin of IC301

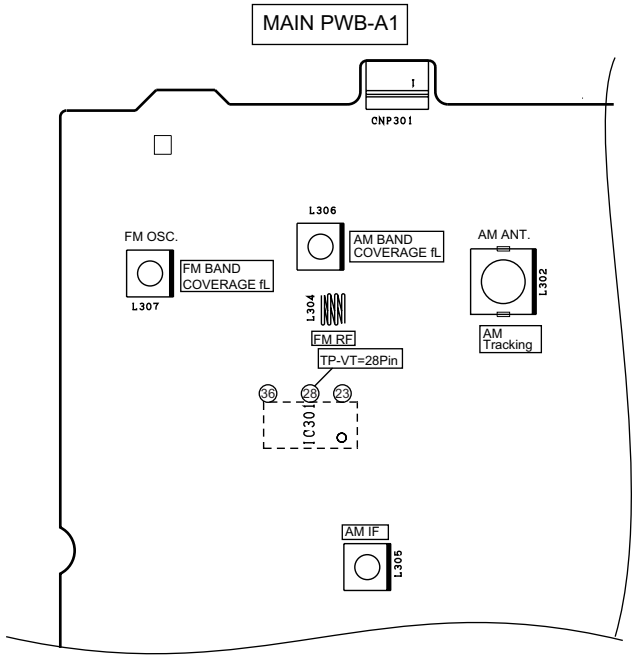



**Figure 2 ADJUSTMENT POINTS**

- **Setting the Test Mode**

  Keeping the REW/REV button and BASS/TREBLE button pressed, turn on POWER. Then, the frequency is initially set in the memory as shown in Table. Call it with the PRESET button to use it for adjustment and check of tuner circuit.

| Preset No. | BAND | FM STEREO |
|---|---|---|
| 1 | FM STEREO | FM 87.50 MHz |
| 2 | | FM 108.00 MHz |
| 3 | | FM 98.00 MHz |
| 4 | | FM 90.00 MHz |
| 5 | | FM 106.00 MHz |
| 6 | AM | AM 522 kHz |
| 7 | | AM 1620 kHz |
| 8 | | AM 990 kHz |

| Preset No. | BAND | FM STEREO |
|---|---|---|
| 9 | AM | AM 603 kHz |
| 11~25 | | ———————— |
| 26 | FM MONO | FM 106.00 MHz |
| 27 | | FM 90.00 MHz |
| 28 | | FM 98.00 MHz |
| 29 | | FM 108.00 MHz |
| 30 | | FM 87.50 MHz |

# [2] TEST MODE

## 1. Turning on the test mode

Turning on the test mode

To turn on the specific test mode, press the ON/STAND-BY button, holding down the following two buttons in the ordinary stand-by mode (power off state). In this case only the main unit button is valid. Even when the ON/STAND-BY of remote control button is set to on, the test mode is not turned on.

[Ordinary test mode]

1. CD Test Mode(TEST 1) .....FUNCTION + Tuning Down
2. Tuner Test Mode(TEST 2).....FUNCTION + Preset Down
3. Volume Test Mode(TEST 3).....FUNCTION + Tuning Up
4. Timer Test Mode(TEST 4) .....FUNCTION + Preset Up
5. Display Test Mode (TEST 5).....FUNCTION + Bass/Treble
6. ALL KEY Test (TEST 6).....MEMORY/SET + Tuning Up
7. Tuner clear test (TEST 7).....FUNCTION + Tape Rec
8. Soft reset test(TEST 8).....MEMORY/SET + Preset Down

All test modes can be terminated by turning off the power with ON/STAND-BY key.

- **CD test(TEST 1)**

[cd step 1] Enter test mode. ←———————— Ⓐ

↓ Hold down the “memory” button

[cd step 2] After some steps, the laser turns on.

↓ Hold down the “memory” button

[cd step 3] After some steps, focus search is performed.

↓ Hold down the “memory” button

[cd step 4] After some steps, CLV rotation is performed.

↓ Hold down the “memory” button

[cd step 5] CD playback starts.

↓ Hold down the “stop” button to return to [cd step 1] ———————— Ⓐ

In step 5, hold down the AUX key on the remote control. The tracking servo is switched on/off.

From step 3, the pick up can be moved with the FF/REW key.

- **Tuner test (TEST 2)**

| CH | BAND | FREQUENCY |
|---|---|---|
| 1 | FM STEREO | FM 87.50 MHz |
| 2 | | FM 108.00 MHz |
| 3 | | FM 98.00 MHz |
| 4 | | FM 90.00 MHz |
| 5 | | FM 106.00 MHz |
| 6 | AM | AM 522 kHz |
| 7 | | AM 1620 kHz |
| 8 | | AM 990 kHz |
| 9 | | AM 603 kHz |
| 10 | AM | AM 1404 kHz |

| CH | BAND | FREQUENCY |
|---|---|---|
| 11 | | ———————— |
| . | | |
| . | | |
| 35 | | |
| 36 | FM MONO | FM 106.00 MHz |
| 37 | | FM 90.00 MHz |
| 38 | | FM 98.00 MHz |
| 39 | | FM 108.00 MHz |
| 40 | | FM 87.50 MHz |

- **VOLUME test (TEST 3)**

  Starting from level 23 (default), check all the levels (0 - 23 - MAX).

- **TIMER test(TEST4)**

  At 1:05, the power turns on to activate the tape function, and turns off after 90 seconds (equivalent to 90 minutes on the unit).

- **Display test(TEST 5)**

  When test mode is activated, the entire display lights up. As the “PLAY” key is pressed, half of the display lights up alternately.

- **ALL KEY test(TEST6)**

  In the test mode, hold down all the buttons on the main unit and then press the “ON/STAND-BY”button. “OK” appears.

  If only the “ON/STAND-BY” button is pressed, “ERROR” appears.

- **Tuner clear test (TEST 7)**

  All tuner preset stations are cleared.

- **Soft reset test (TEST 8)**

  All data in RAM is cleared.

## [3] When the CD does not function

The CD section may not operate when the objective lens of the optical pickup is dirty. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Turn the power off.

Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

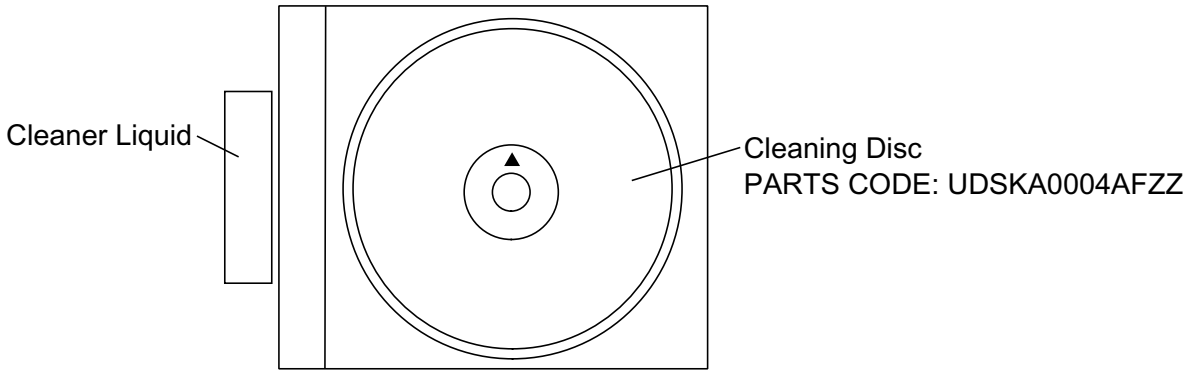
| | | Parts code |
|---|---|---|
| 1. | CD optical pickup Lens cleaner disc | UDSKA0004AFZZ |

**HOW TO USE**

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the ▲ mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continues to turn, press the stop button.

**CAUTION**

- The CD lens cleaner should be effective for 30~50 operations, however if the brushes become worn out earller then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.



# CHAPTER 3. MECHANICAL DESCRIPTION

## [1] REMOVING AND REINSTALLING THE MAIN PARTS

### 1. TAPE MECHANISM SECTION

Perform steps 1 to 5 and 8 of the disassembly method to remove the tape mechanism. (See page 3-3.)

#### 1.1. How to remove the record / playback and erase heads (See Fig. 1)

1. Remove the screws (A1) x 2 pcs., to remove the erase head.
2. Remove the screws (A2) x 2 pcs., to remove the record/playback head.

NOTE: After replacing the heads and performing the azimuth adjustment, be sure to apply screwlock.

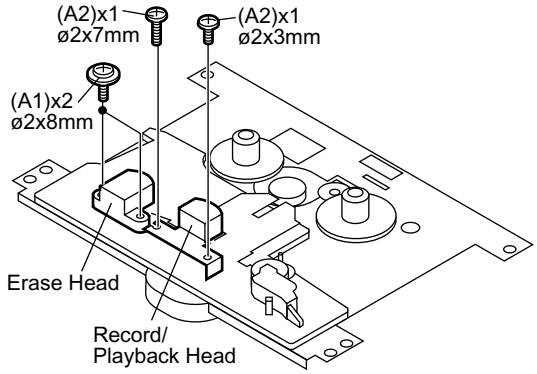



**Figure 1**

#### 1.2. How to remove the pinch roller (See Fig. 2)

1. Carefully bend the pinch roller pawl in the direction of the arrow <A>, and remove the pinch roller (B1) x 1 pc., upwards.

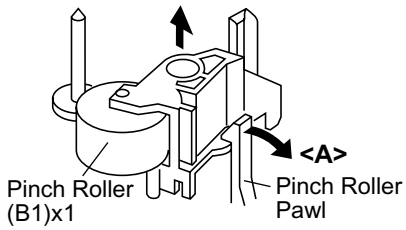



**Figure 2**

#### 1.3. How to remove the belts (See Fig. 3)

1. Remove the main belt (C1) x 1 pc., from the motor pulley.
2. Remove the FF/REW belt (C2) x 1 pc., from the REW/FF roller.
3. Put on the belts in the reverse order of removal.

NOTE: When putting on the belt, ascertain that the belt is not twisted, and clean it.

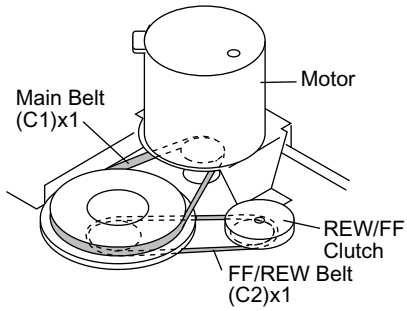



**Figure 3**

#### 1.4. How to remove the motor (See Fig. 4)

1. Remove the main belt.
2. Remove the screws (D1) x 2 pcs., to remove the motor bracket.
3. Remove the screws (D2) x 3 pcs., to remove the motor.

NOTE: When mounting the motor, pay attention to the motor mounting angle.

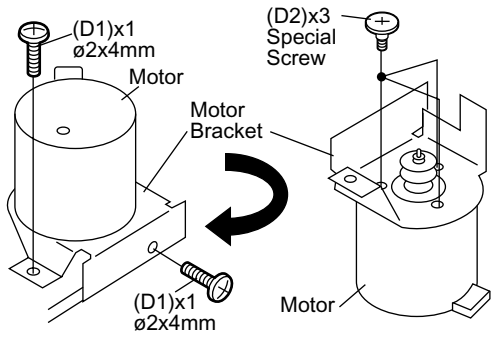



**Figure 4**

### 1.5. How to remove the flywheel (See Fig. 5)

1. Remove the belt.
2. Remove the stop washer (E1) x 1 pc., with a small precision screwdriver to extract the flywheel from the capstan metal.

NOTE: When the stop washer is deformed or damaged, replace it with a new one.

### 1.6. How to reinstall the parts

Install each part in the reverse order of the removal with care.

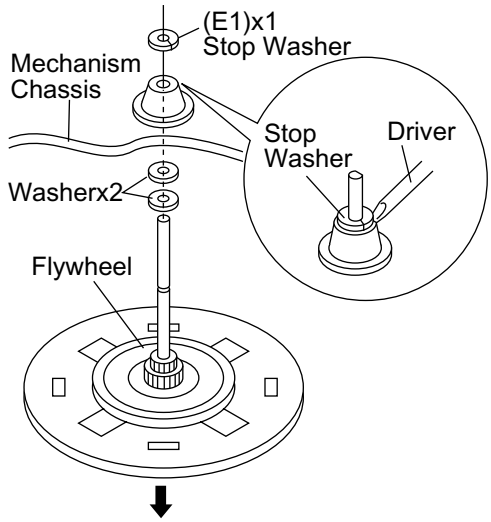



**Figure 5**

### 1.7. How to remove the tape mechanism PWB(See Fig. 6)

1. Remove the screw (F1) x 1 pc., to remove the tape mechanism PWB.
2. Remove the screws (F2) x 1 pc.
3. Remove the solder joints (F3) x 2 pcs., to remove the tape mechanism PWB.

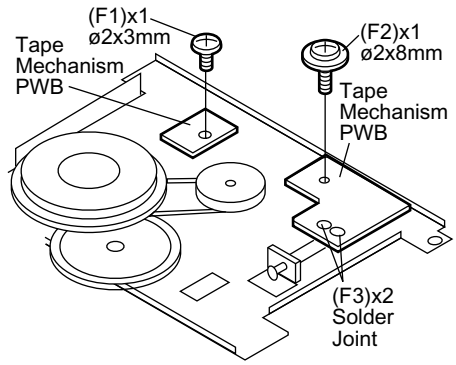



**Figure 6**

## [2] DISASSEMBLY

**Caution on Disassembly**
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:
1) Take cassette tape and compact disc out of the unit.
2) Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3) Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4) Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

| STEP | REMOVAL | PROCEDURE | FIGURE |
|---|---|---|---|
| 1 | Top Cabinet | 1. Screw.....(A1) x 5<br>2. Socket.....(A2) x 2<br>3. Flat cable.....(A3) x 1 | 1<br><br>2 |
| 2 | Side Panel | 1. Screw.....(B1) x 4 | 1 |
| 3 | Rear Panel | 1. Screw.....(C1) x 2 | 1 |
| 4 | Main PWB | 1. Screw.....(D1) x 3<br>2. Socket.....(D2) x 5<br>3. Socket.....(D3) x 1 | 2 |
| 5 | Front Panel | 1. Screw.....(E1) x 1 | 3 |
| 6 | Power PWB | 1. Screw.....(F1) x 1<br>2. Screw.....(F2) x 2 | 3 |
| 7 | Display PWB | 1. Knob.....(G1) x 1<br>2. Screw.....(G2) x 8 | 4 |
| 8 | Tape Mechanism | 1. Open the cassette holder<br>2. Screw.....(H1) x 4 | 4 |
| 9 | Jack PWB | 1. Screw.....(J1) x 1 | 4 |
| 10 | Switch PWB | 1. Screw.....(K1) x 1 | 5 |
| 11 | CD Mechanism (Note) | 1. Screw.....(L1) x 4 | 5 |

**Note :**

After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.

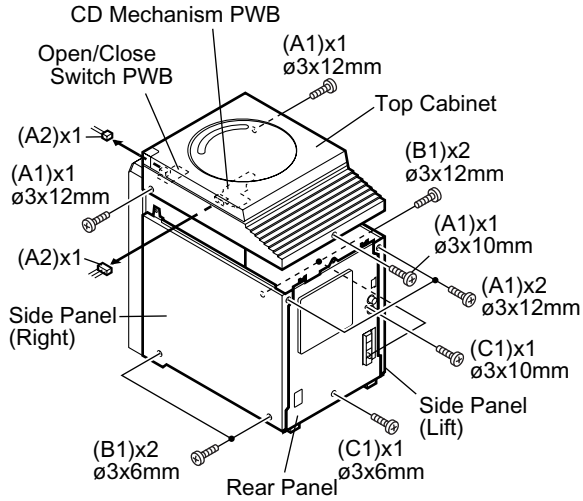



**Figure 1**

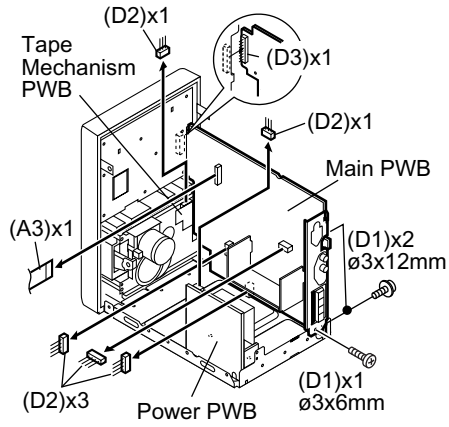



**Figure 2**

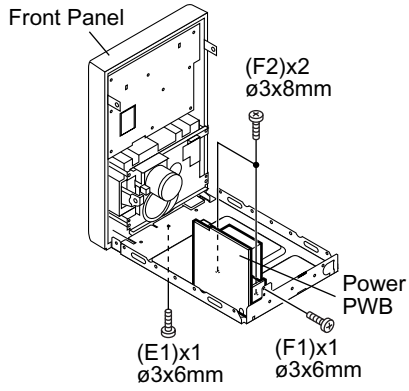



**Figure 3**

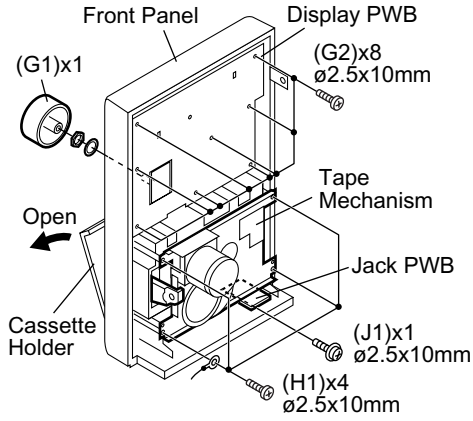



**Figure 4**

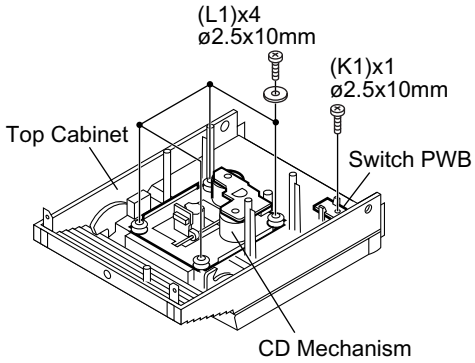



**Figure 5**

**CP-MP40H**

These speaker CP-MP40H are available in assembles only and may not be disassembled.

**-MEMO-**

# CHAPTER 4. DIAGRAMS

## [1] BLOCK DIAGRAM

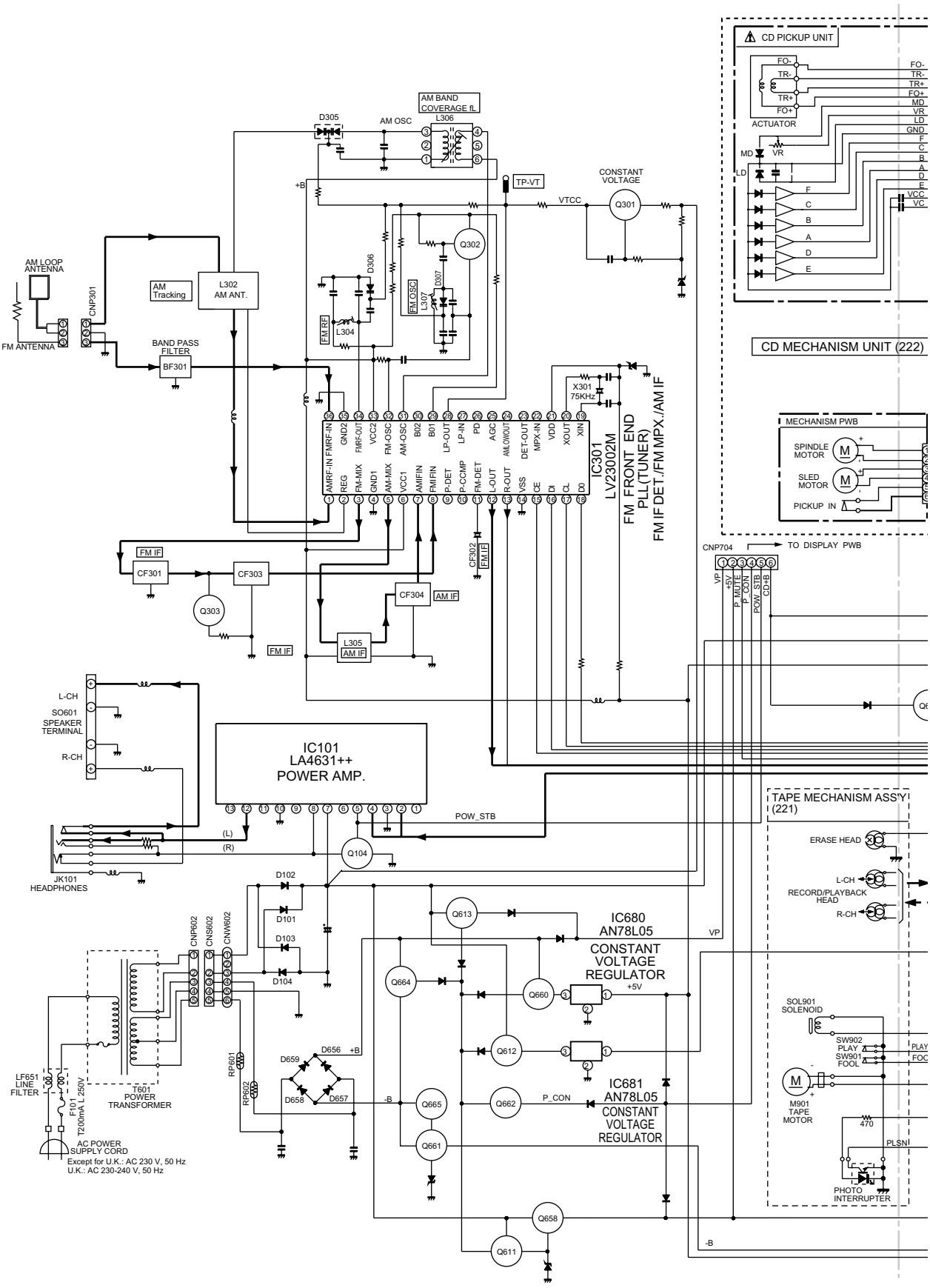



**Figure 4-1 BLOCK DIAGRAM (1/3)**

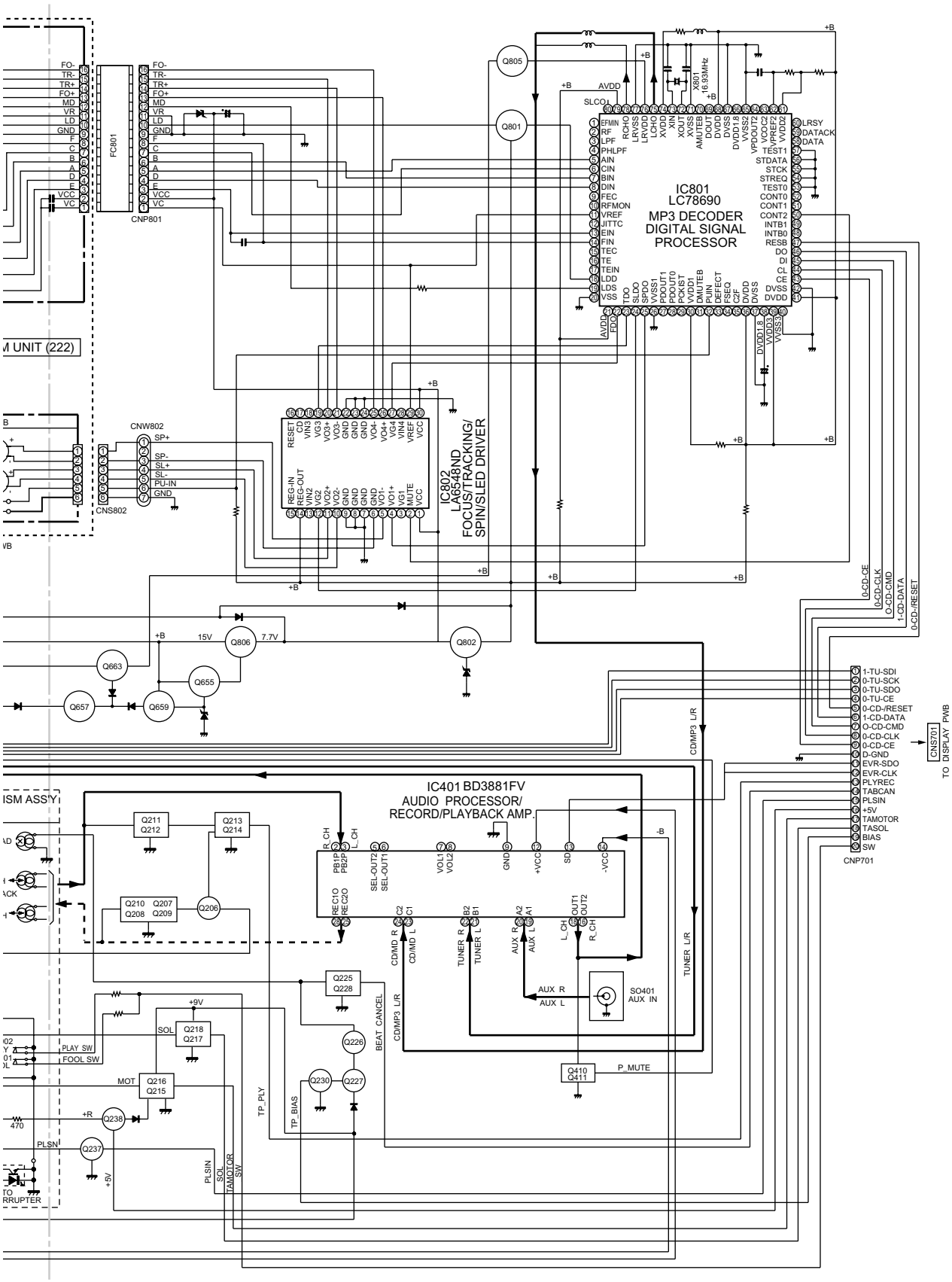



**Figure 4-2 BLOCK DIAGRAM (2/3)**

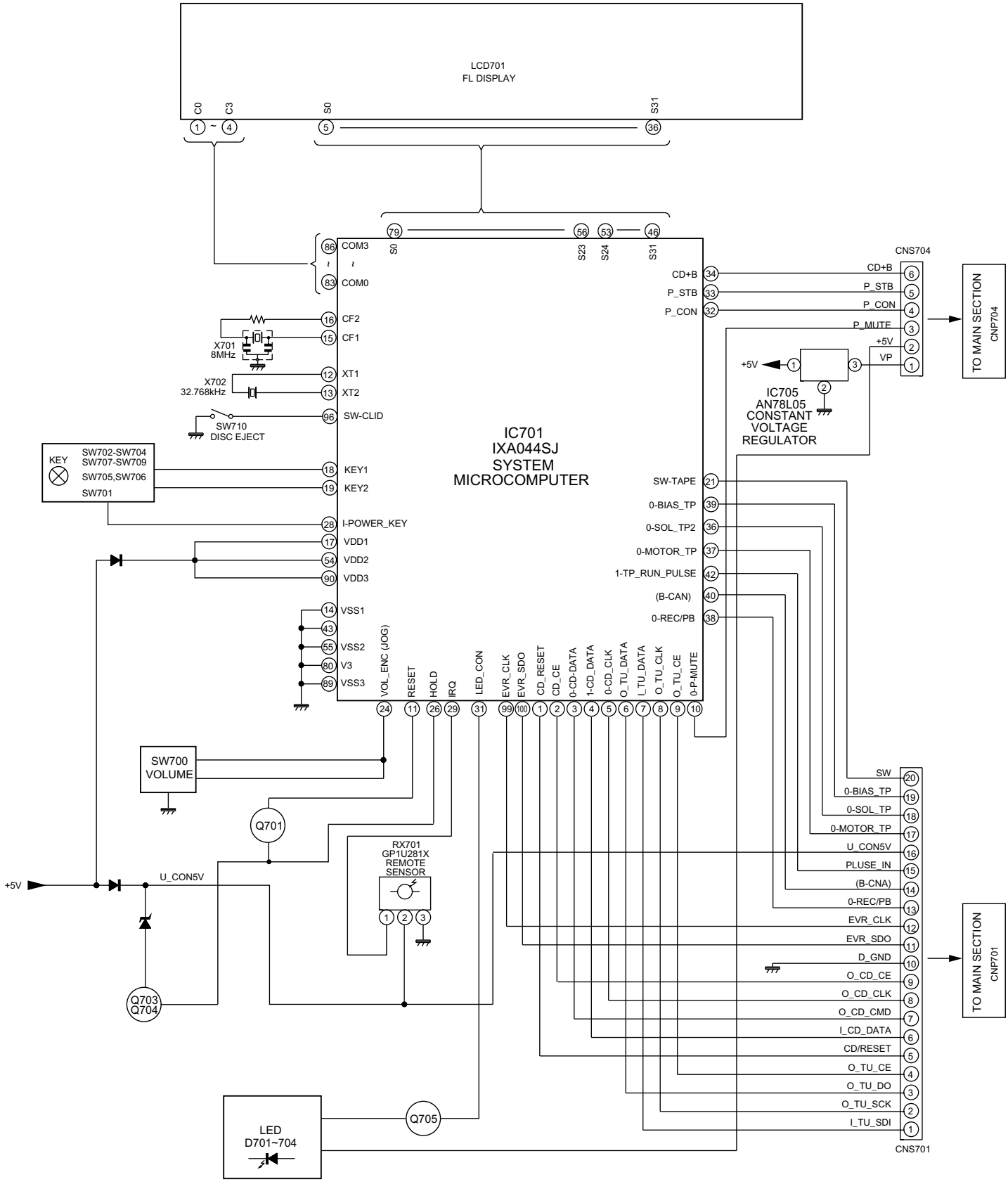
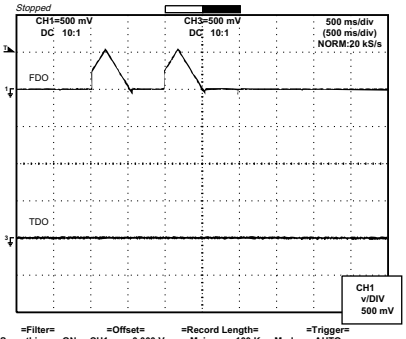



**Figure 4-3 BLOCK DIAGRAM (3/3)**

# CHAPTER 5. CIRCUIT DESCRIPTION

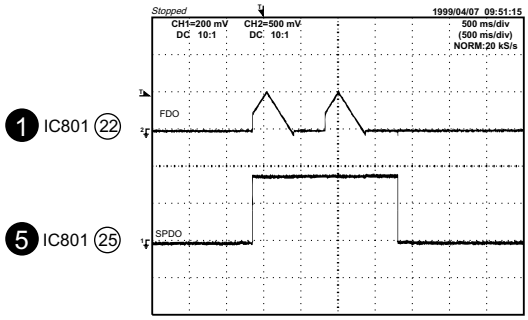
## [1] WAVEFORMS OF CD CIRCUIT

1 IC801 (22)
2 IC801 (23)



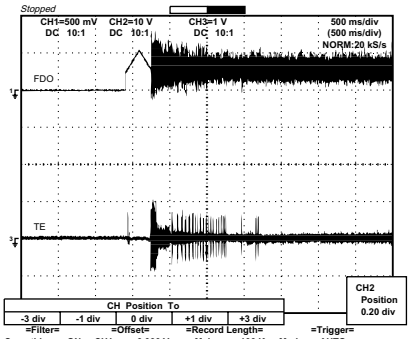

=Filter= Smoothing : ON BW : FULL
=Offset= CH1 : 0.000 V CH2 : 0.0 V CH3 : 0.000 V CH4 : 0.00 V
=Record Length= Main : 100 K Zoom : 2 K
=Trigger= Mode : AUTO Type : EDGE CH1 Delay : 0.0 ns Hold off : 0.2 µs

1 IC801 (22)
5 IC801 (25)



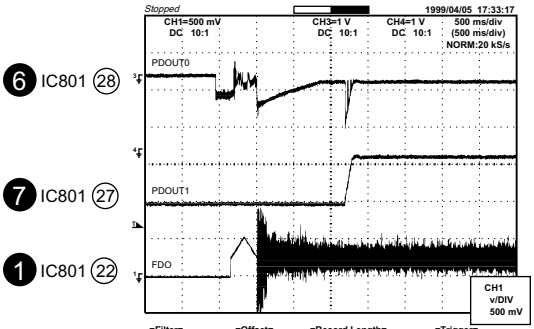

=Filter= Smoothing : ON BW : FULL
=Offset= CH1 : 0.000 V CH2 : 0.000 V CH3 : 0.00 V CH4 : 0.00 V
=Record Length= Main : 100 K Zoom : 2 K
=Trigger= Mode : NORMAL Type : EDGE CH2 Delay : 2.924 ms Hold off : 0.2 µs

1 IC801 (22)
3 IC801 (16)



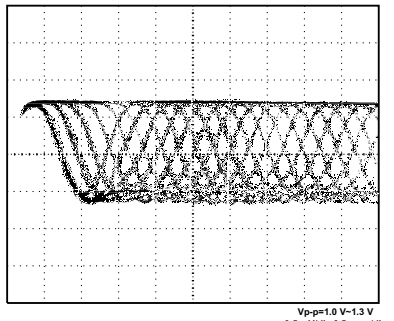

=Filter= Smoothing : ON BW : FULL
=Offset= CH1 : 0.000 V CH2 : 0.0 V CH3 : 0.00 V CH4 : 0.00 V
=Record Length= Main : 100 K Zoom : 2 K
=Trigger= Mode : AUTO Type : EDGE CH1 Delay : 0.0 ns Hold off : 0.2 µs

6 IC801 (28)
7 IC801 (27)
1 IC801 (22)



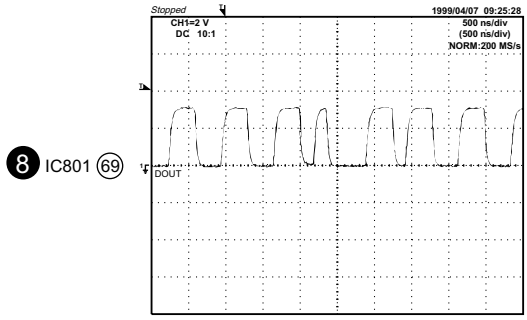

=Filter= Smoothing : ON BW : FULL
=Offset= CH1 : 0.000 V CH2 : 0.0 V CH3 : 0.00 V CH4 : 0.00 V
=Record Length= Main : 100 K Zoom : 2 K
=Trigger= Mode : AUTO Type : EDGE CH2 Delay : 0.0 ns Hold off : 0.2 µs

4 IC801 (2)



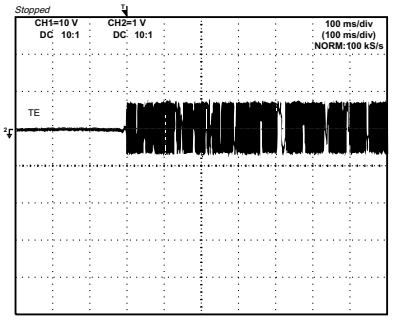
Vp-p=1.0 V~1.3 V
0.5 mV/div,0.5 µsec/div

8 IC801 (69)



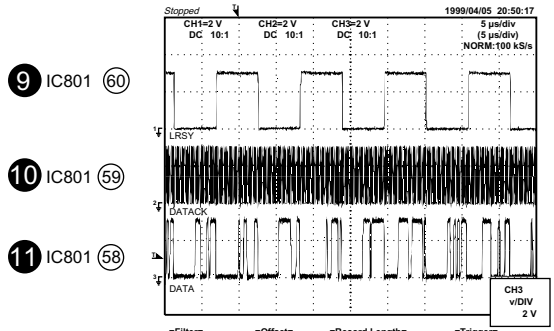

=Filter= Smoothing : ON BW : FULL
=Offset= CH1 : 0.00 V CH2 : 0.00 V CH3 : 0.00 V CH4 : 0.00 V
=Record Length= Main : 1 K Zoom : 100
=Trigger= Mode : NORMAL Type : EDGE CH1 Delay : 2.887 ms Hold off : 0.2 µs

3 IC801 (16)




=Filter= Smoothing : ON BW : FULL
=Offset= CH1 : 0.0 V CH2 : 0.00 V CH3 : 0.00 V CH4 : 0.00 V
=Record Length= Main : 100 K Zoom : 2 K
=Trigger= Mode : NORMAL Type : EDGE CH1 Delay : 2.924 ms Hold off : 0.2 µs

9 IC801 (60)
10 IC801 (59)
11 IC801 (58)




=Filter= Smoothing : ON BW : FULL
=Offset= CH1 : 0.00 V CH2 : 0.00 V CH3 : 0.00 V CH4 : 0.00 V
=Record Length= Main : 5 K Zoom : 100
=Trigger= Mode : AUTO Type : EDGE CH3 Delay : 0.0 ns Hold off : 0.2 µs

## [2] VOLTAGE

| IC101 | |
|---|---|
| PIN NO. | VOLTAGE |
| 1 | 4.13V |
| 2 | 1.63V |
| 3 | 0V |
| 4 | 1.63V |
| 5 | 1.55V |
| 6 | 12V |
| 7 | 18.2V |
| 8 | 9.2V |
| 9 | 0V |
| 10 | 0V |
| 11 | 0V |
| 12 | 9.3V |
| 13 | 0V |

| IC301 | |
|---|---|
| PIN NO. | VOLTAGE |
| 1 | 2.2V |
| 2 | 2.2V |
| 3 | 2.45V |
| 4 | 0V |
| 5 | 5V |
| 6 | 5V |
| 7 | 2.2V |
| 8 | 2.2V |
| 9 | 4V |
| 10 | 3.86V |
| 11 | 2.85V |
| 12 | 2.28V |
| 13 | 2.28V |
| 14 | 0V |
| 15 | 0V |
| 16 | 0V |
| 17 | 0V |
| 18 | 3.4V |
| 19 | 1.26V |
| 20 | 1.7V |
| 21 | 3.43V |
| 22 | 2.2V |
| 23 | 2.3V |
| 24 | 0V |
| 25 | 2.6V |
| 26 | 2.14V |
| 27 | 2.14V |
| 28 | 1.3V |
| 29 | 2.7V |
| 30 | 1V |
| 31 | 4.9V |
| 32 | 4.9V |
| 33 | 4.9V |
| 34 | 4.9V |
| 35 | 0V |
| 36 | 1V |

| IC680 | |
|---|---|
| PIN NO. | VOLTAGE |
| 1 | 5.1V |
| 2 | 0V |
| 3 | 10.6V |

| IC681 | |
|---|---|
| PIN NO. | VOLTAGE |
| 1 | 5.1V |
| 2 | 0V |
| 3 | 20V |

| IC705 | |
|---|---|
| PIN NO. | VOLTAGE |
| 1 | 5.7V |
| 2 | 0.6V |
| 3 | 10V |

| IC401 | |
|---|---|
| PIN NO. | VOLTAGE |
| 1 | 0V |
| 2 | 0V |
| 3 | 0V |
| 4 | 0V |
| 5 | 0V |
| 6 | 0V |
| 7 | 0V |
| 8 | 0V |
| 9 | 0V |
| 10 | 0V |
| 11 | 0V |
| 12 | 4.5V |
| 13 | 0.7V |
| 14 | -4.5V |
| 15 | 0V |
| 16 | 0V |
| 17 | 0V |
| 18 | 0V |
| 19 | 0V |
| 20 | 0V |
| 21 | 0V |
| 22 | 0V |
| 23 | 0V |
| 24 | 0V |
| 25 | 0V |
| 26 | 0V |
| 27 | 0V |
| 28 | 0V |

| IC802 | |
|---|---|
| PIN NO. | VOLTAGE |
| 1 | 7.75V |
| 2 | 2.77V |
| 3 | 1.45V |
| 4 | 1.47V |
| 5 | 3.9V |
| 6 | 3.3V |
| 7 | 0V |
| 8 | 0V |
| 9 | 0V |
| 10 | 3.5V |
| 11 | 3.7V |
| 12 | 1.46V |
| 13 | 1.45V |
| 14 | 2.9V |
| 15 | 1V |
| 16 | 2.9V |
| 17 | 3.4V |
| 18 | 1.45V |
| 19 | 1.45V |
| 20 | 3.7V |
| 21 | 3.6V |
| 22 | 0V |
| 23 | 0V |
| 24 | 0V |
| 25 | 3.6V |
| 26 | 3.6V |
| 27 | 1.46V |
| 28 | 1.46V |
| 29 | 1.46V |
| 30 | 7.8V |

| IC801 | |
|---|---|
| PIN NO. | VOLTAGE |
| 1 | 1.38V |
| 2 | 1.47V |
| 3 | 1.45V |
| 4 | 1.2V |
| 5 | 1.6V |
| 6 | 1.7V |
| 7 | 1.67V |
| 8 | 1.63V |
| 9 | 1.42V |
| 10 | 1.4V |
| 11 | 1.46V |
| 12 | 1.74V |
| 13 | 1.75V |
| 14 | 1.74V |
| 15 | 1.43V |
| 16 | 1.43V |
| 17 | 1.43V |
| 18 | 2V |
| 19 | 0.18V |
| 20 | 0V |
| 21 | 2.9V |
| 22 | 1.47V |
| 23 | 1.5V |
| 24 | 1.5V |
| 25 | 1.6V |
| 26 | 0V |
| 27 | 0V |
| 28 | 1V |
| 29 | 0.93V |
| 30 | 2.74V |
| 31 | 0V |
| 32 | 2.8V |
| 33 | 0V |
| 34 | 2.8V |
| 35 | 0V |
| 36 | 2.8V |
| 37 | 0V |
| 38 | 1.8V |
| 39 | 2.8V |
| 40 | 0V |
| 41 | 2.8V |
| 42 | 0V |
| 43 | 0.45V |
| 44 | 3V |
| 45 | 3V |
| 46 | 0V |
| 47 | 3.23V |
| 48 | 2.8V |
| 49 | 2.8V |
| 50 | 2.8V |
| 51 | 0V |
| 52 | 0V |
| 53 | 0V |
| 54 | 0V |
| 55 | 0V |
| 56 | 0V |
| 57 | 0V |
| 58 | 0V |
| 59 | 0V |
| 60 | 0V |
| 61 | 2.57V |
| 62 | 1.44V |
| 63 | 2.1V |
| 64 | 2.1V |
| 65 | 0V |
| 66 | 1.8V |
| 67 | 0V |
| 68 | 2.8V |
| 69 | 0V |
| 70 | 0V |
| 71 | 0V |
| 72 | 1V |
| 73 | 1.14V |
| 74 | 2.7V |
| 75 | 1.64V |
| 76 | 3.3V |
| 77 | 0V |
| 78 | 1.64V |
| 79 | 2.9V |
| 80 | 1.4V |

| IC701 | | | |
|---|---|---|---|
| PIN NO. | VOLTAGE | PIN NO. | VOLTAGE |
| 1 | 0V | 51 | 2.4V |
| 2 | 0V | 52 | 2.4V |
| 3 | 0V | 53 | 2.4V |
| 4 | 0V | 54 | 4.8V |
| 5 | 0V | 55 | 0V |
| 6 | 0V | 56 | 2.4V |
| 7 | 0V | 57 | 2.4V |
| 8 | 0V | 58 | 2.4V |
| 9 | 0V | 59 | 2.4V |
| 10 | 0V | 60 | 2.4V |
| 11 | 5V | 61 | 2.4V |
| 12 | 1.7V | 62 | 2.4V |
| 13 | 2.4V | 63 | 2.4V |
| 14 | 0V | 64 | 2.4V |
| 15 | 0V | 65 | 2.4V |
| 16 | 0V | 66 | 2.4V |
| 17 | 5V | 67 | 2.4V |
| 18 | 0V | 68 | 2.4V |
| 19 | 5V | 69 | 2.4V |
| 20 | 0.5V | 70 | 2.4V |
| 21 | 0V | 71 | 2.4V |
| 22 | 0V | 72 | 2.4V |
| 23 | 0V | 73 | 2.4V |
| 24 | 5V | 74 | 2.4V |
| 25 | 0V | 75 | 2.4V |
| 26 | 5V | 76 | 2.4V |
| 27 | 0V | 77 | 2.4V |
| 28 | 5V | 78 | 2.4V |
| 29 | 0V | 79 | 2.4V |
| 30 | 0V | 80 | 0V |
| 31 | 4.5V | 81 | 1.7V |
| 32 | 0V | 82 | 3.3V |
| 33 | 5V | 83 | 2.4V |
| 34 | 0V | 84 | 2.4V |
| 35 | 0V | 85 | 2.4V |
| 36 | 5V | 86 | 2.4V |
| 37 | 0V | 87 | 0V |
| 38 | 0V | 88 | 0V |
| 39 | 0V | 89 | 0V |
| 40 | 0V | 90 | 5V |
| 41 | 0V | 91 | 0V |
| 42 | 0V | 92 | 0V |
| 43 | 0V | 93 | 0V |
| 44 | 0V | 94 | 0V |
| 45 | 0V | 95 | 0V |
| 46 | 2.4V | 96 | 5V |
| 47 | 2.4V | 97 | 0V |
| 48 | 0V | 98 | 0V |
| 49 | 2.4V | 99 | 0V |
| 50 | 2.4V | 100 | 0V |

| Q104 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 3.3V |
| B | 0.54V |

| Q206 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 5V |
| C | -9V |
| B | 5V |

| Q207 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | -3V |
| C | 0V |
| B | -9V |

| Q208 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | -3V |
| C | 0V |
| B | -9V |

| Q209 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | -3V |
| C | 0V |
| B | 9V |

| Q214 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 5V |
| B | 0V |

| Q215 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 9.3V |
| C | 9.2V |
| B | 8.5V |

| Q216 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 0V |
| B | 4V |

| Q217 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 9.3V |
| C | 0V |
| B | 9.3V |

| Q218 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 9.3V |
| B | 0V |

| Q237 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 4.8V |
| B | 0V |

| Q238 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 4.9V |
| C | 4.9V |
| B | 1.2V |

| Q303 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 3.6V |
| B | 0.8V |

| Q410 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 0V |
| B | 0V |

| Q411 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 0V |
| B | 0V |

| Q611 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | -5V |
| C | -12.7V |
| B | -5.6V |

| Q612 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 20V |
| C | 20V |
| B | 0.7V |

| Q613 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 20V |
| C | 20V |
| B | 5.1V |

| Q655 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 3.5V |
| C | 18V |
| B | 9.1V |

| Q657 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 0V |
| B | 0.7V |

| Q658 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 9.3V |
| C | 17.2V |
| B | 9.9V |

| Q659 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 18V |
| C | 18V |
| B | 0.6V |

| Q660 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 11V |
| C | 11V |
| B | 0.7V |

| Q661 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 18V |
| C | 18V |
| B | 0.7V |

| Q662 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 0V |
| B | 4V |

| Q663 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 5V |
| C | 5V |
| B | 0.6V |

| Q664 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 1.3V |
| C | 1.3V |
| B | 0.7V |

| Q665 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | -12V |
| C | -12V |
| B | -8V |

| Q701 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 4.8V |
| B | 0V |

| Q703 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 0V |
| B | 0.7V |

| Q704 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 5V |
| B | 0V |

| Q705 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 0V |
| C | 0V |
| B | 0.8V |

| Q801 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 2.76V |
| C | 1.8V |
| B | 2V |

| Q802 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 2.9V |
| C | 6.3V |
| B | 3.6V |

| Q805 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 3.27V |
| C | 5V |
| B | 3.93V |

| Q806 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 7.9V |
| C | 18.1V |
| B | 8.55V |

| Q301 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 10.5V |
| C | 18V |
| B | 11V |

| Q302 | |
|---|---|
| PIN NO. | VOLTAGE |
| E | 1V |
| C | 2.7V |
| B | 1.7V |

# CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

## [1] NOTES ON SCHEMATIC DIAGRAM

- Resistor:

  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.

- Capacitor:

  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.

  (CH), (TH), (RH), (UJ): Temperature compensation

  (ML): Mylar type

  (P.P.): Polypropylene type

- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.

- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.

1. In the tuner section,

   ( ) indicates AM

   < > indicates FM stereo

2. In the main section, a tape is being played back.
3. In the deck section, a tape is being played back.

   ( ) indicates the record state.

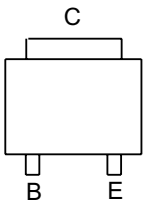
4. In the power section, a tape is being played back.
5. In the CD section, the CD is stopped.

- Parts marked with “ ⚠ ” ( ⊏ ニ ニ ニ ⊐ ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

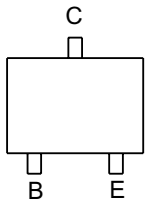
| REF. NO | DESCRIPTION | POSITION |
|---|---|---|
| SW700 | VOLUME | ON—OFF |
| SW701 | ON/STAND-BY | ON—OFF |
| SW702 | STOP/TUNING DOWN | ON—OFF |
| SW703 | REW/PRESET DOWN | ON—OFF |
| SW704 | PLAY/CD PAUSE/TUNING UP | ON—OFF |
| SW705 | MEMORY/SET | ON—OFF |

| REF. NO | DESCRIPTION | POSITION |
|---|---|---|
| SW706 | FUNCTION | ON—OFF |
| SW707 | REC/PAUSE | ON—OFF |
| SW708 | BASS/TREBLE | ON—OFF |
| SW709 | FF/PRESET UP | ON—OFF |
| SW710 | DISC EJECT | ON—OFF |
| SW901 | FOOL PROOF | ON—OFF |
| SW902 | PLAY | ON—OFF |

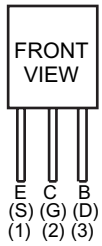
## [2] TYPES OF TRANSISTOR AND LED



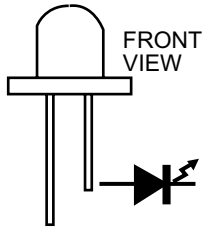

2SK2541



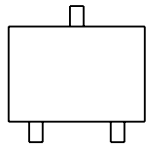

2SC3052 F+
2SC5477++
2SA1235 F+



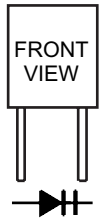

2HA1015 GR
2HC1815 GR
KTC3200 GR
2SB562 C
KRC101 M
2SB561 C
KRC106 M
KRC107 M
KRA107 M
KTC2026 Y




MPG3372X

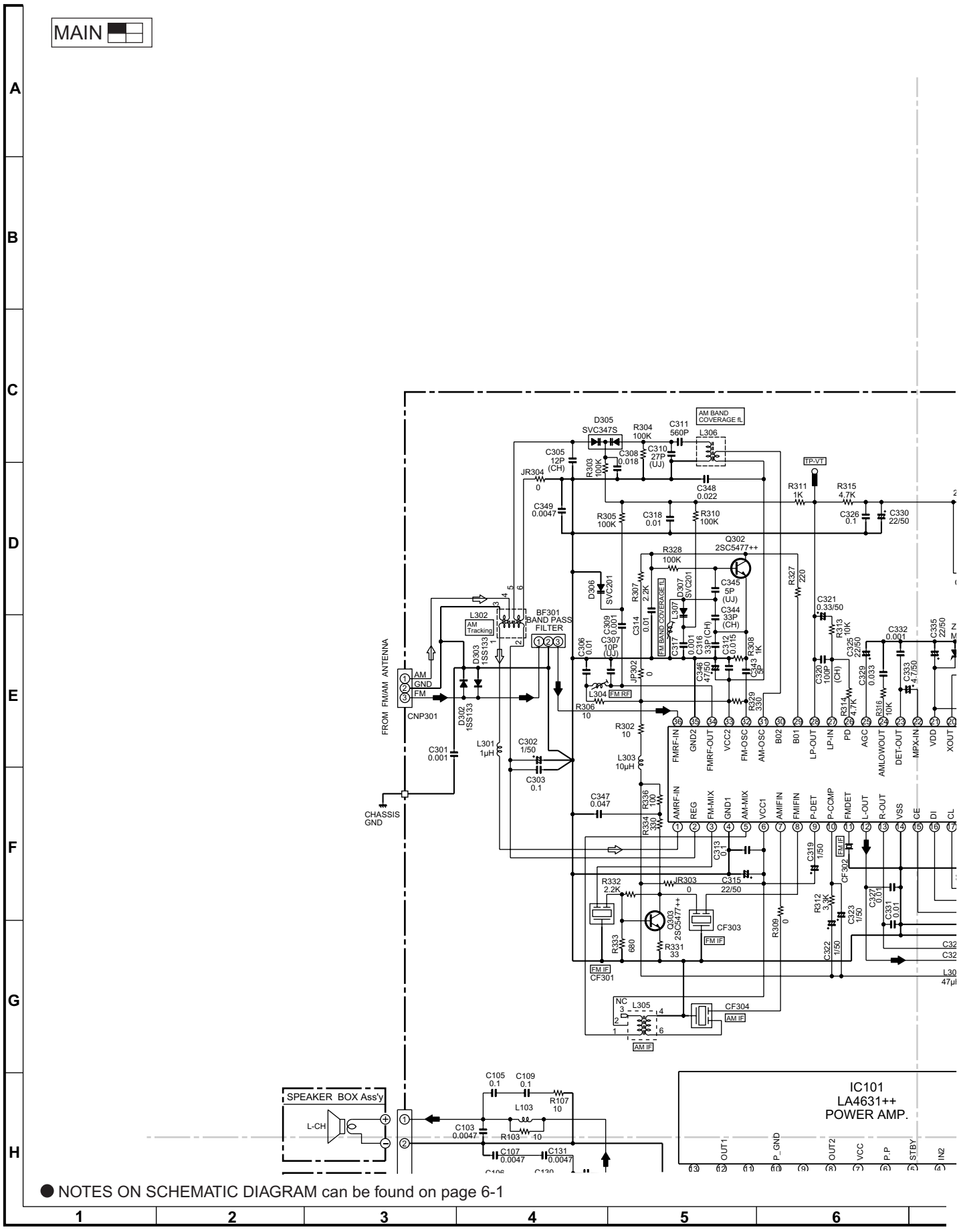


SVC347S



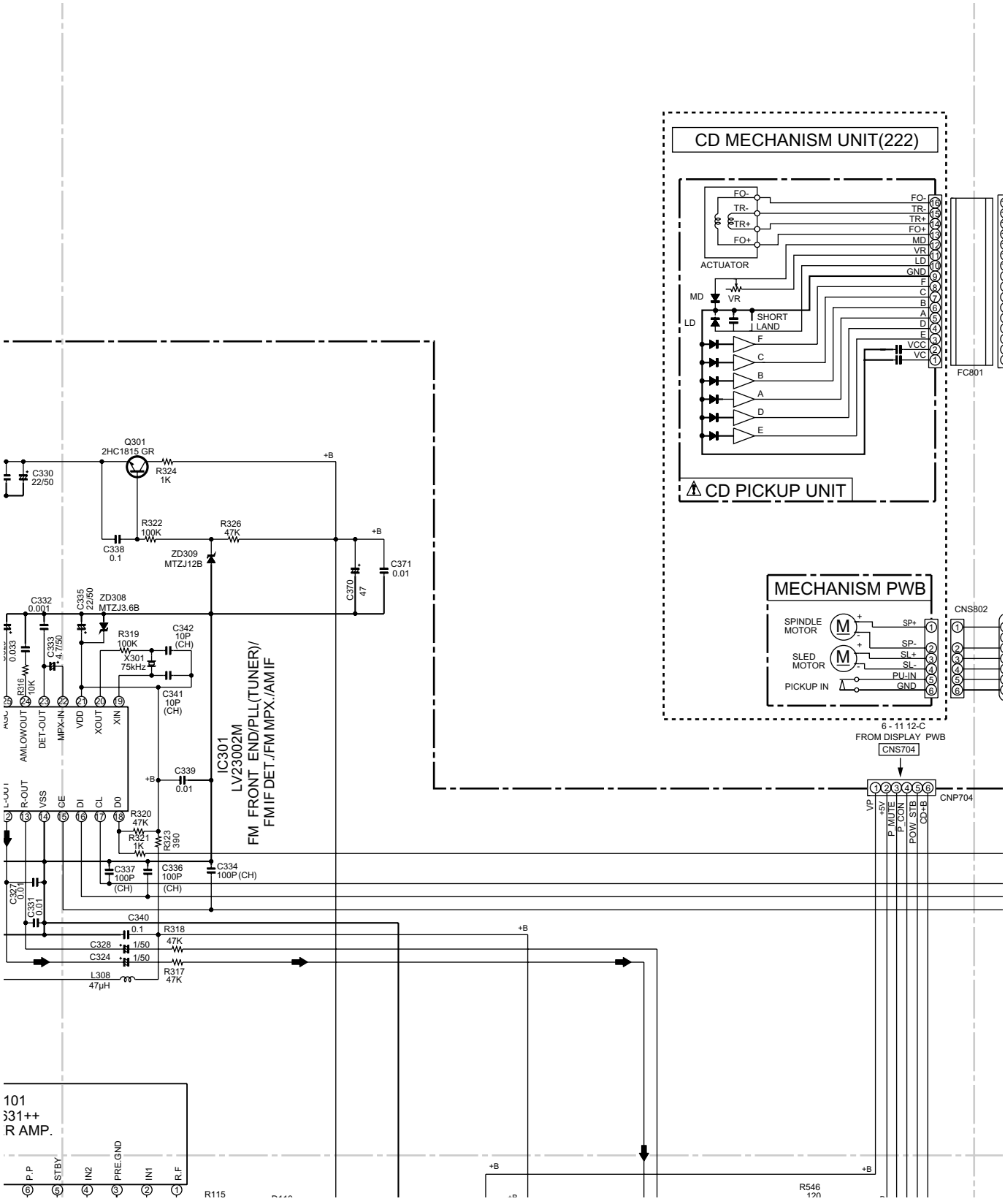

SVC201

## [3] WIRING SIDE OF PWB/SCHEMATIC DIAGRAM




● NOTES ON SCHEMATIC DIAGRAM can be found on page 6-1

**Figure 6-2 SCHEMATIC DIAGRAM (1/10)**




| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

**Figure 6-3 SCHEMATIC DIAGRAM (2/10)**

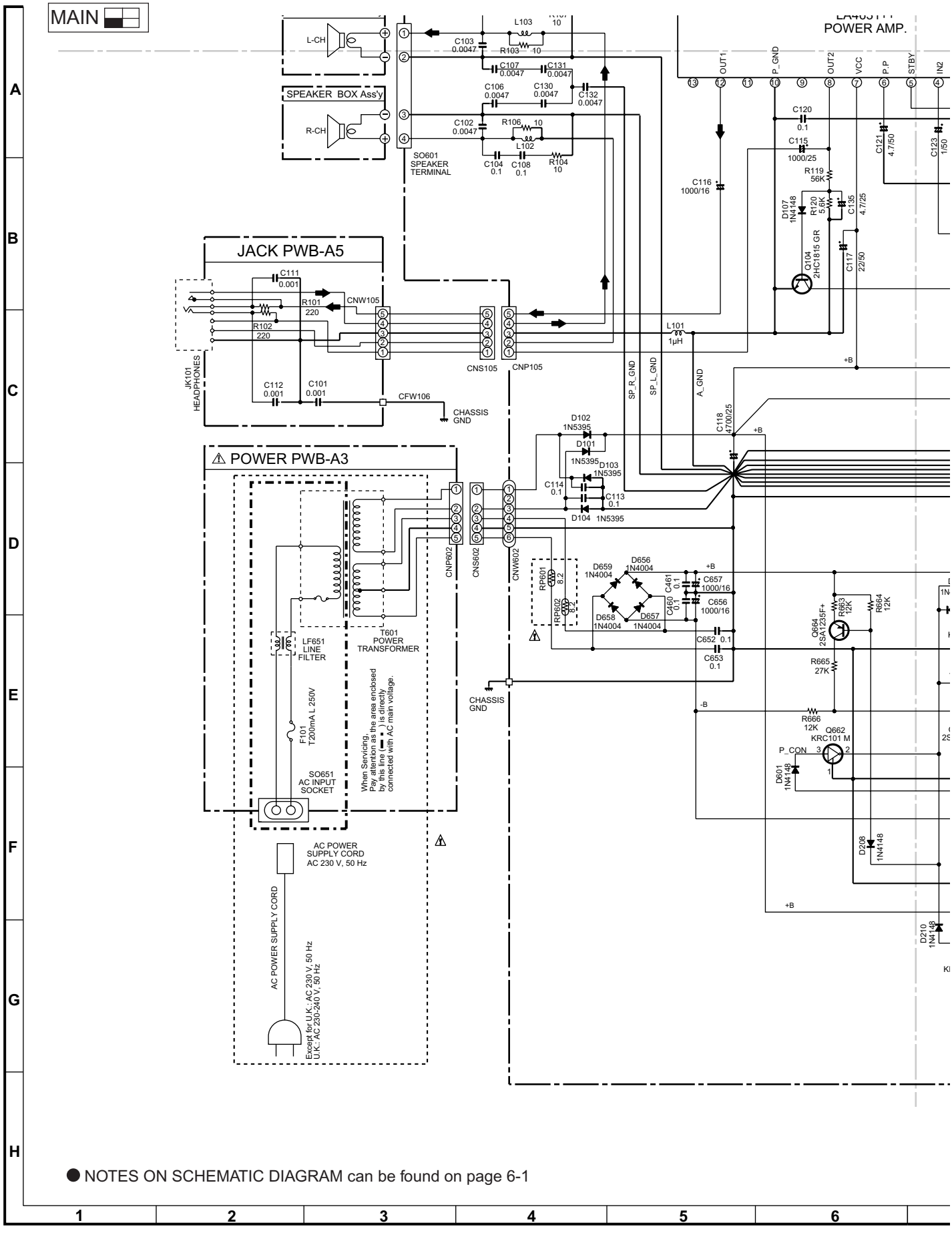
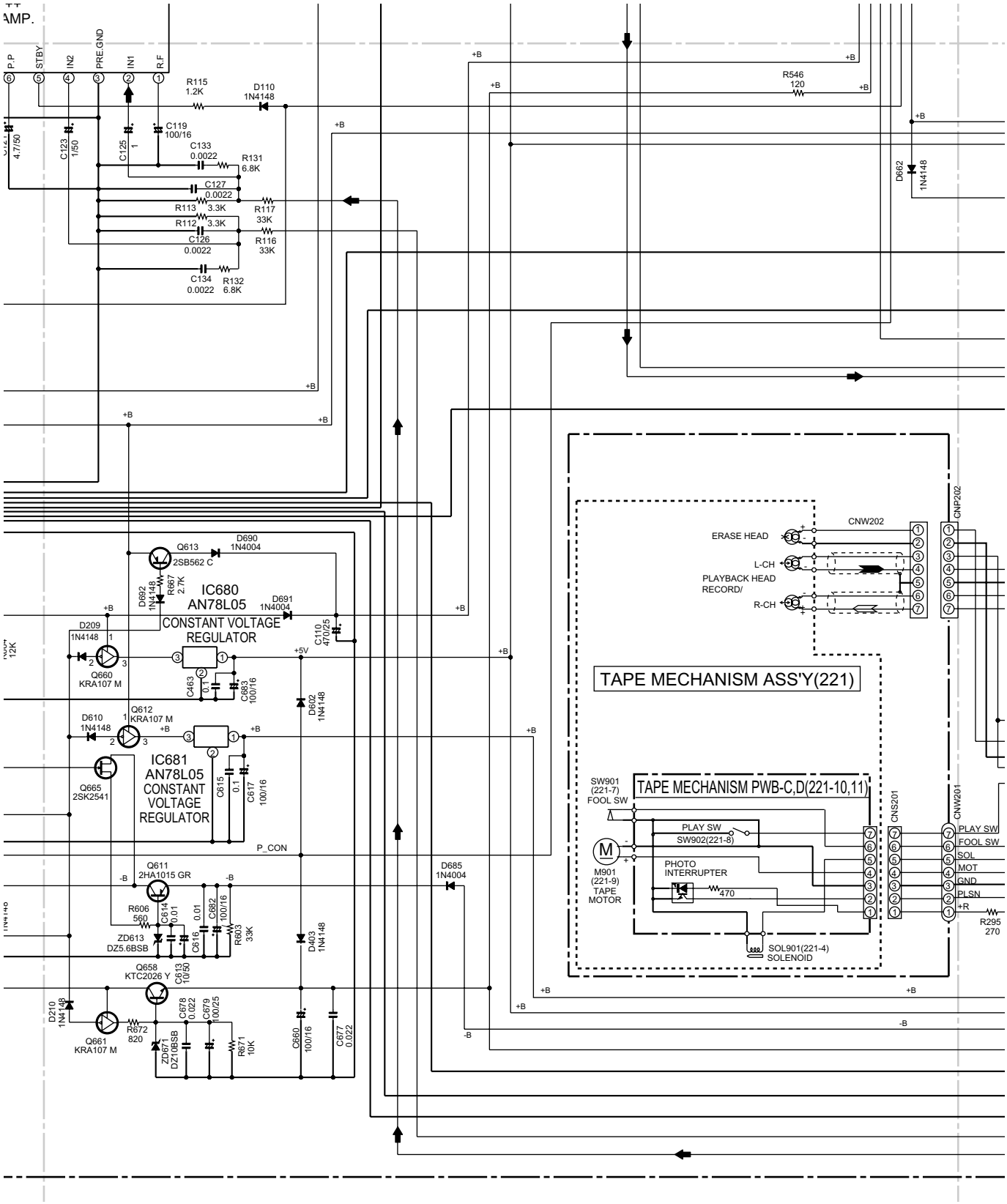



**Figure 6-4 SCHEMATIC DIAGRAM (3/10)**




| | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|

**Figure 6-5 SCHEMATIC DIAGRAM (4/10)**

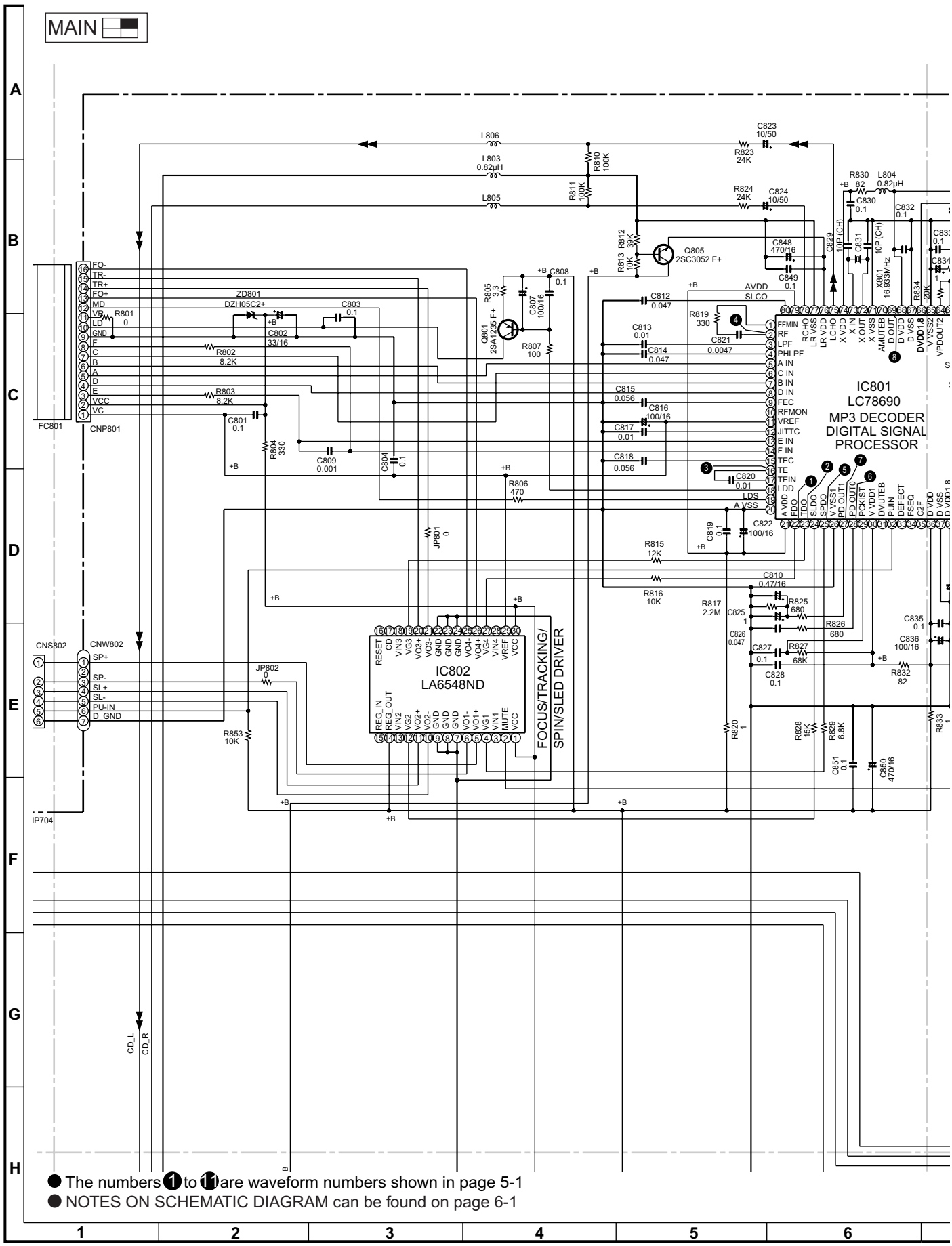
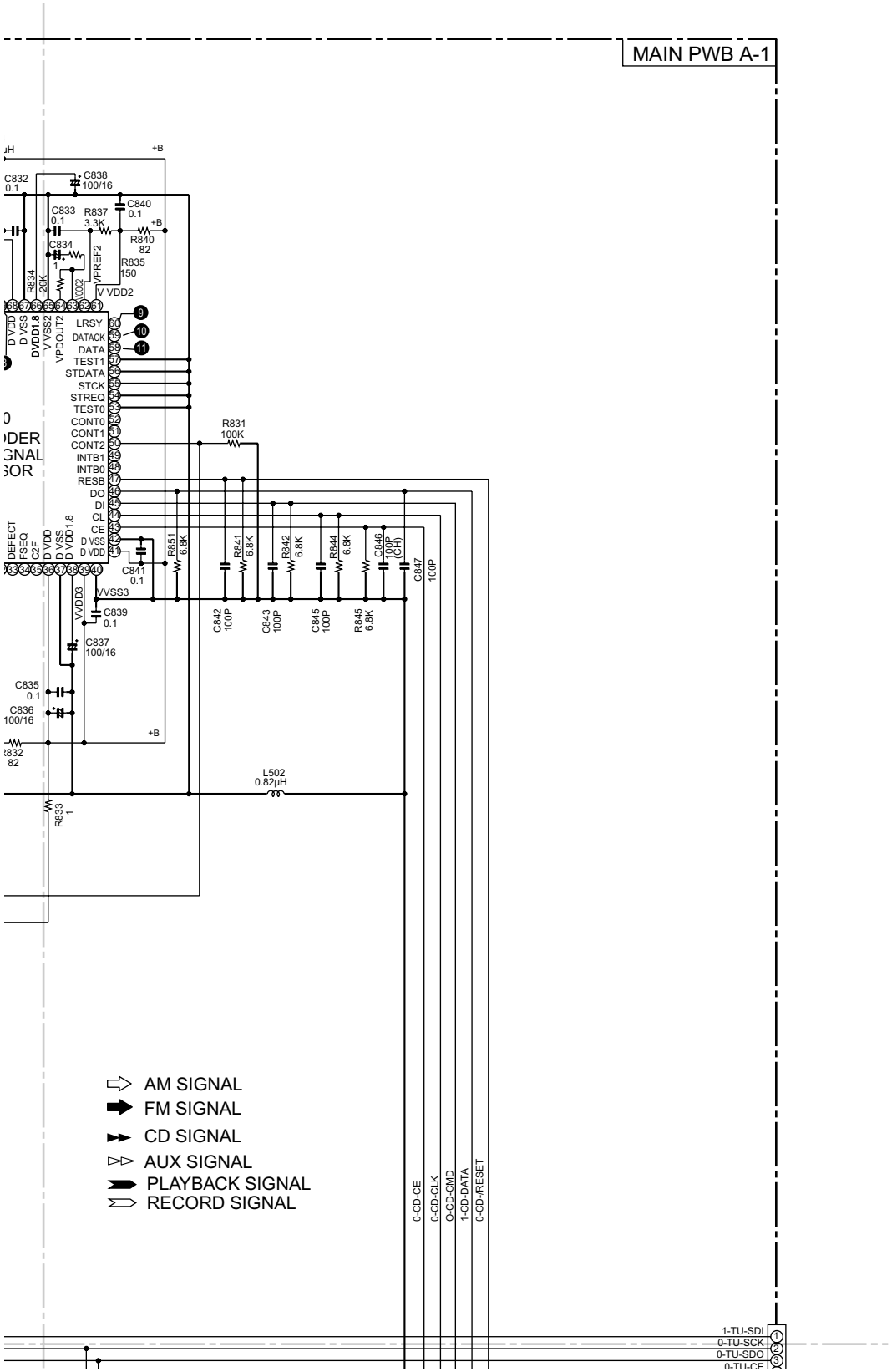



**Figure 6-6 SCHEMATIC DIAGRAM (5/10)**




| | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|

**Figure 6-7 SCHEMATIC DIAGRAM (6/10)**

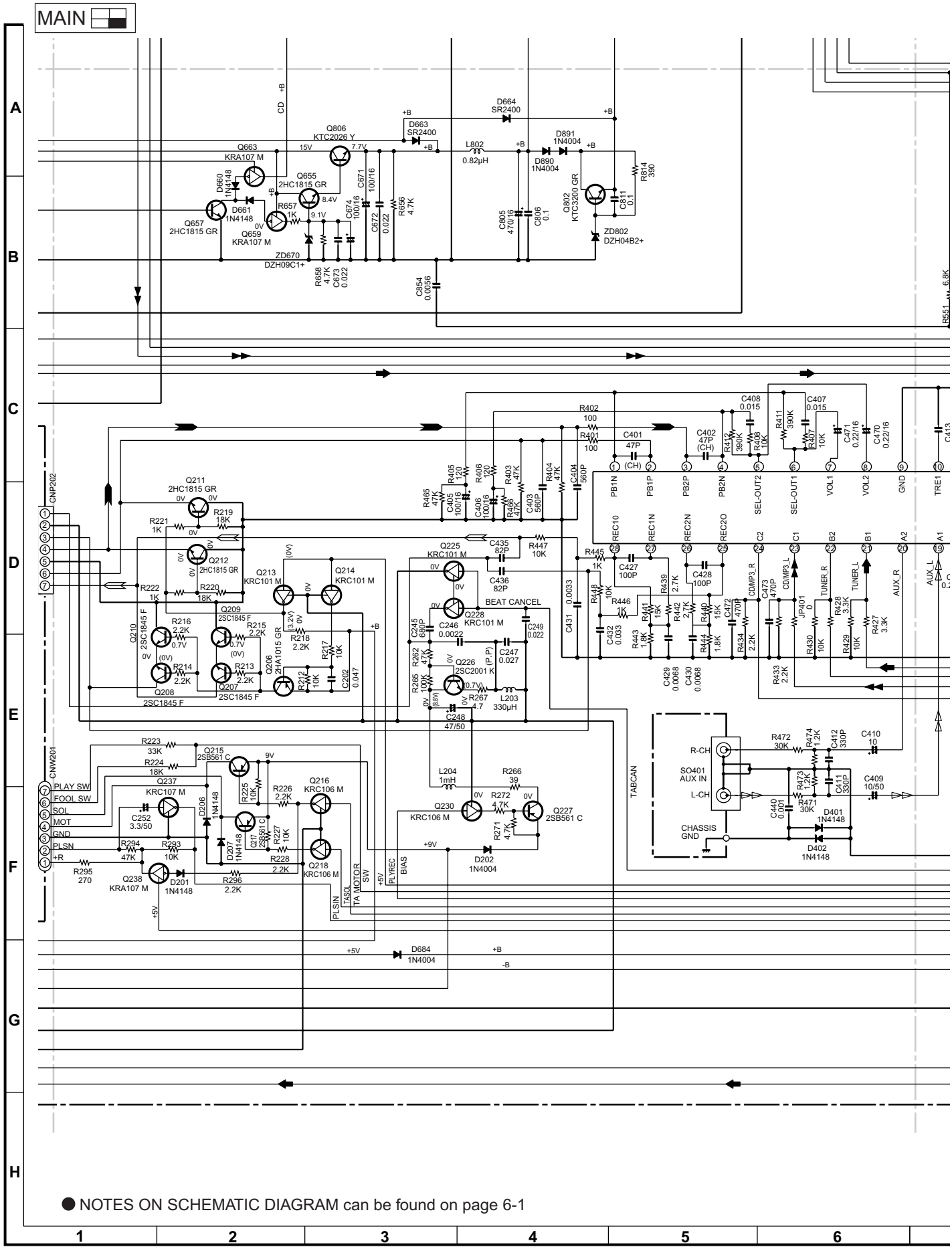
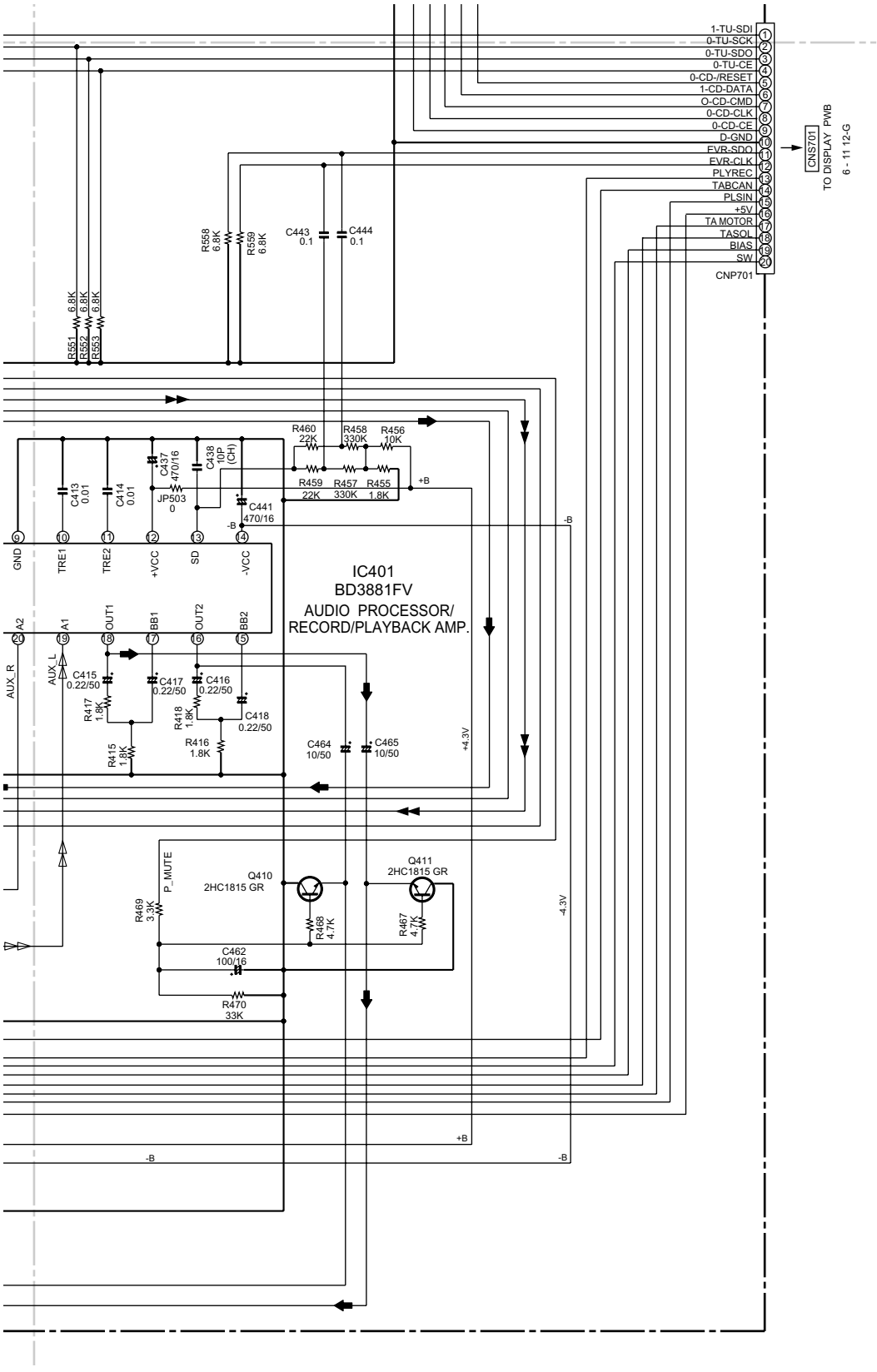



**Figure 6-8 SCHEMATIC DIAGRAM (7/10)**




| | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|

**Figure 6-9 SCHEMATIC DIAGRAM (8/10)**

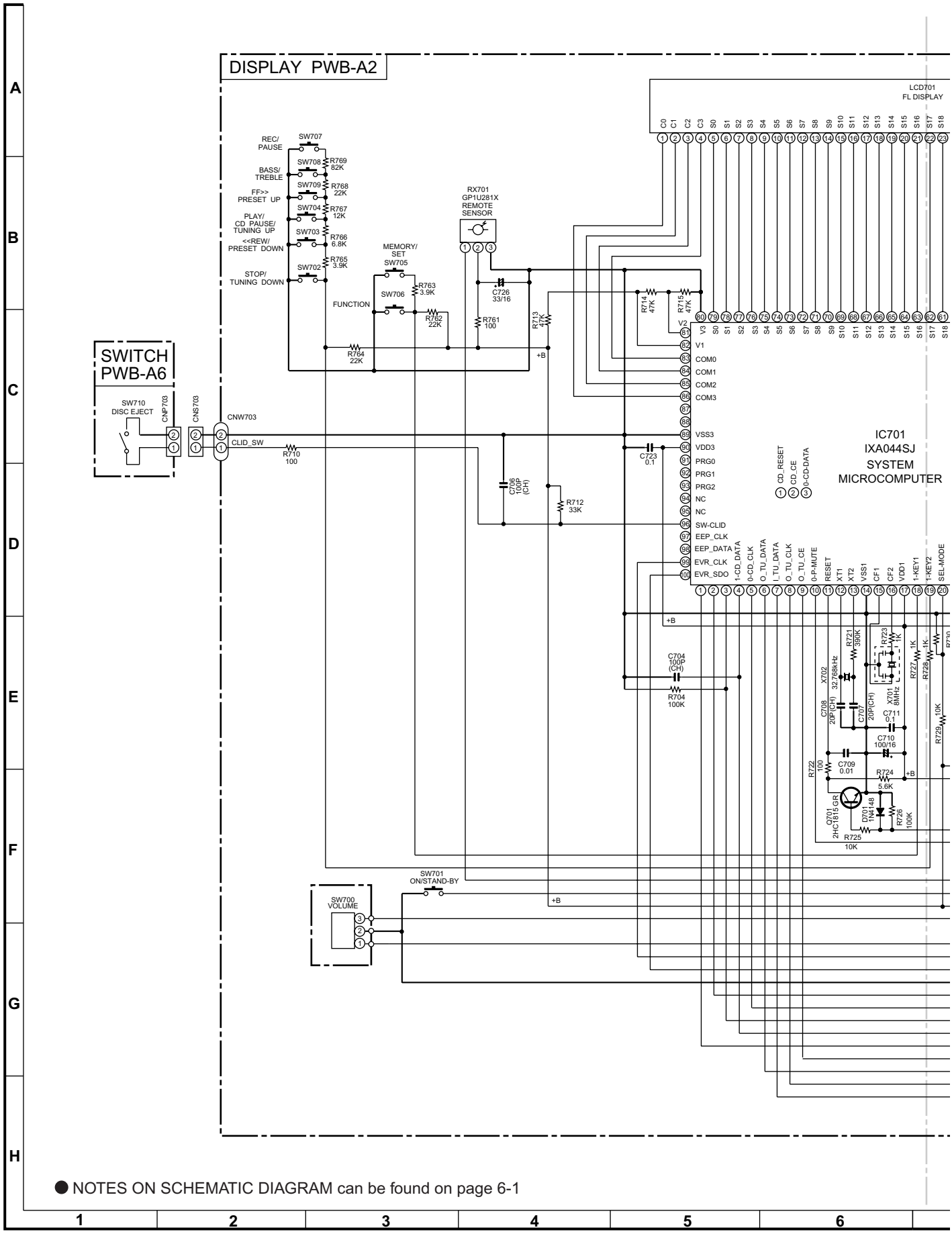



**Figure 6-10 SCHEMATIC DIAGRAM (9/10)**

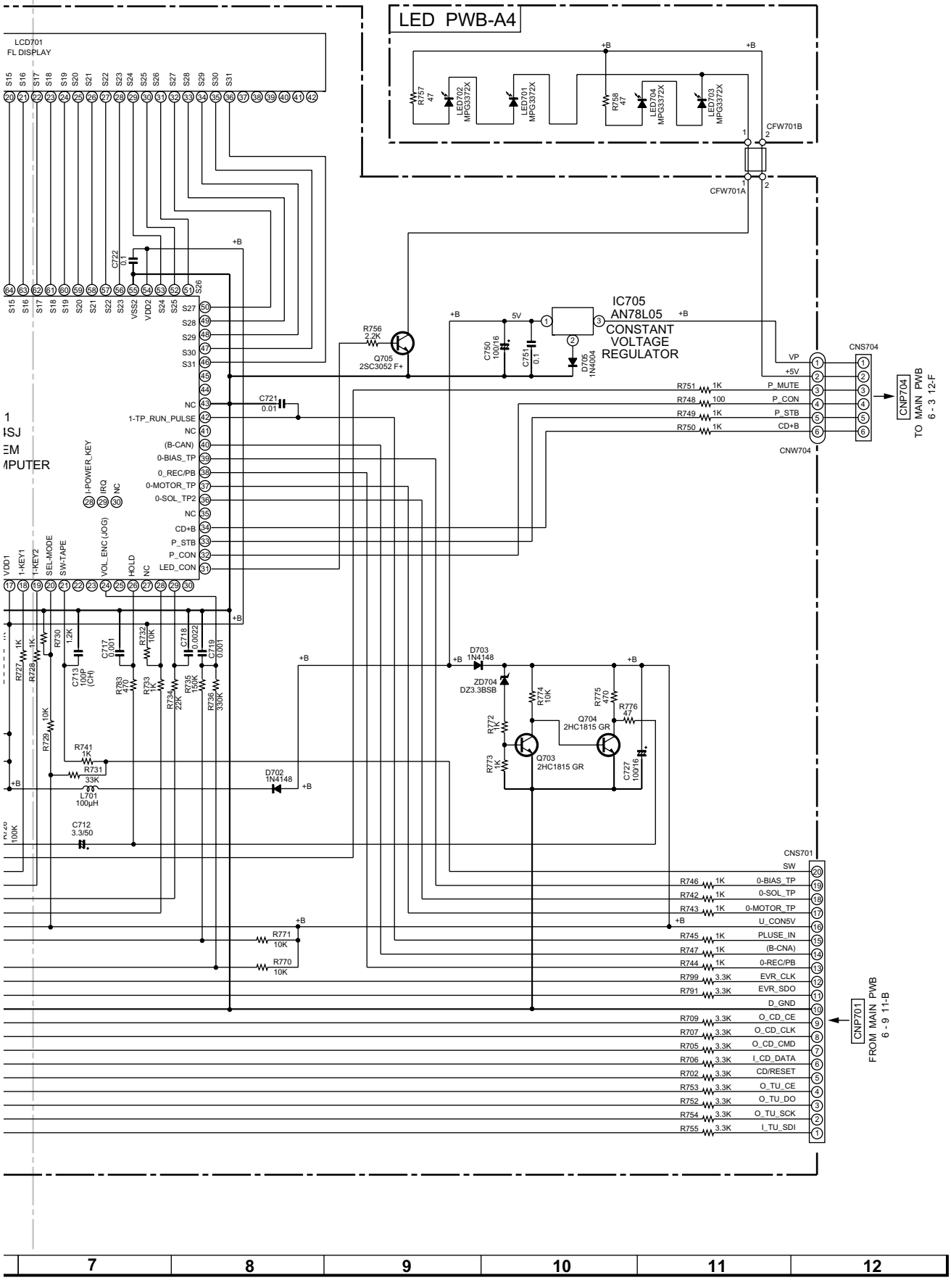



**Figure 6-11 SCHEMATIC DIAGRAM (10/10)**

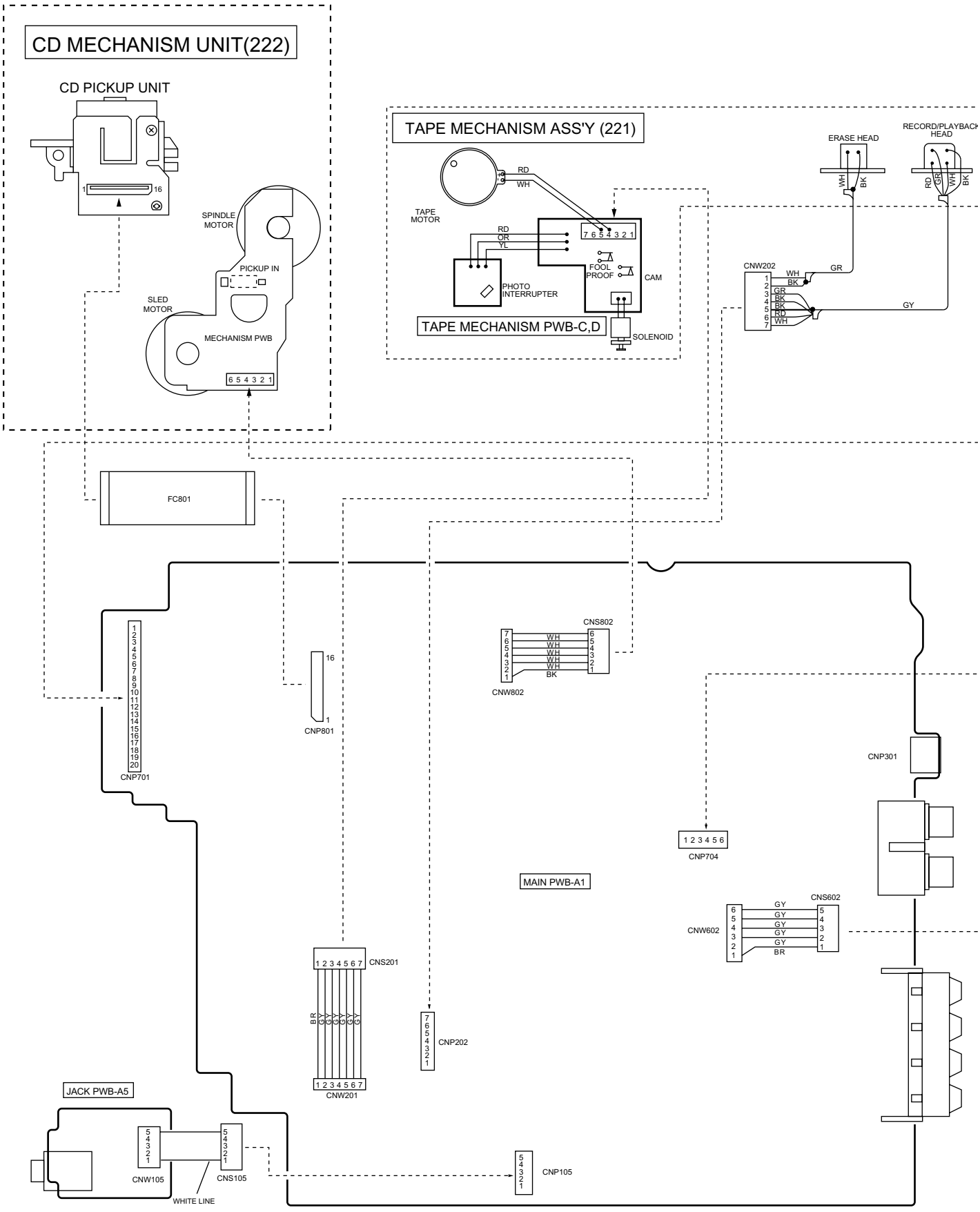



**Figure 6-12 WIRING SIDE OF PWB (1/7)**

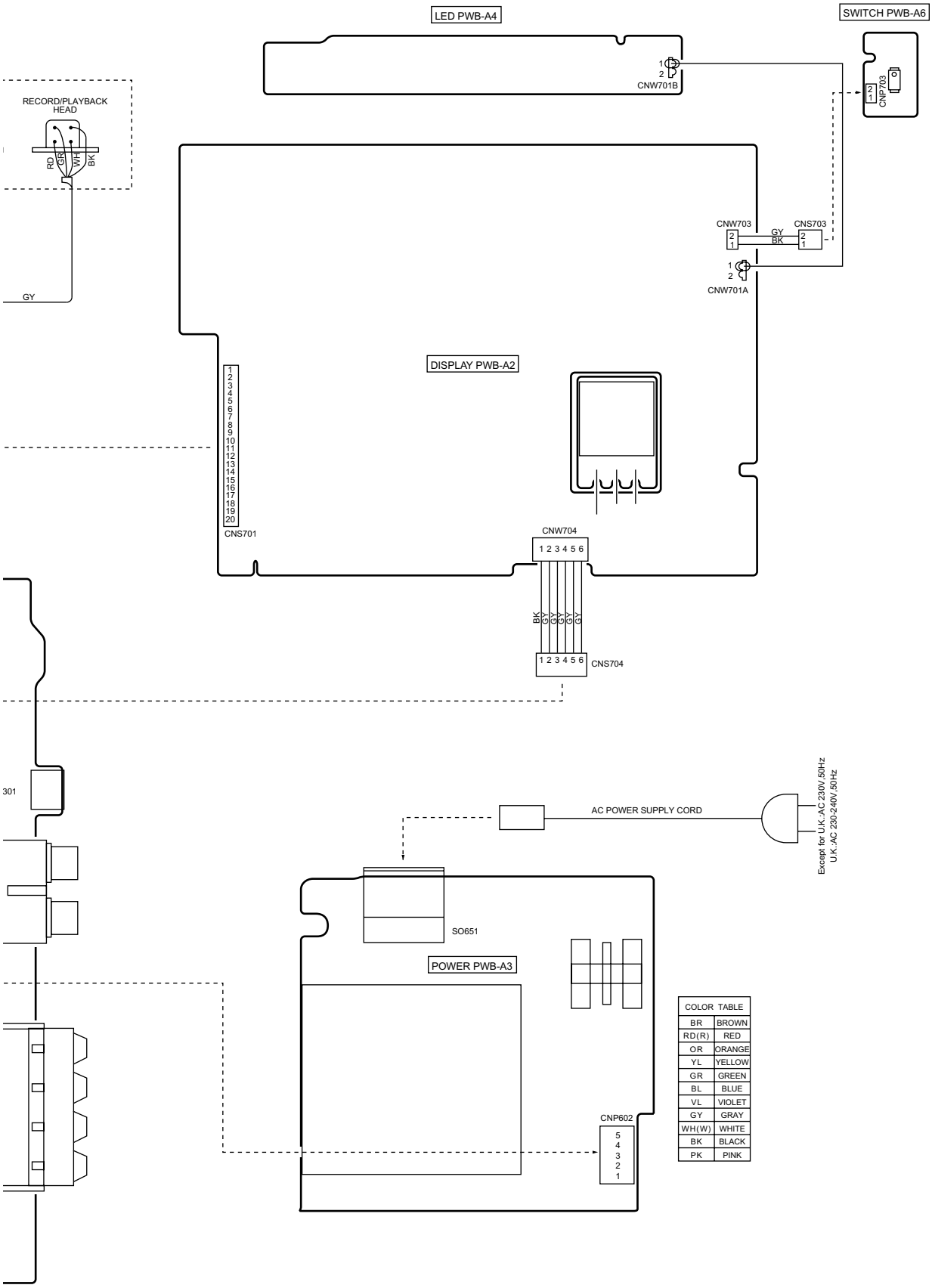



**Figure 6-13 WIRING SIDE OF PWB (2/7)**

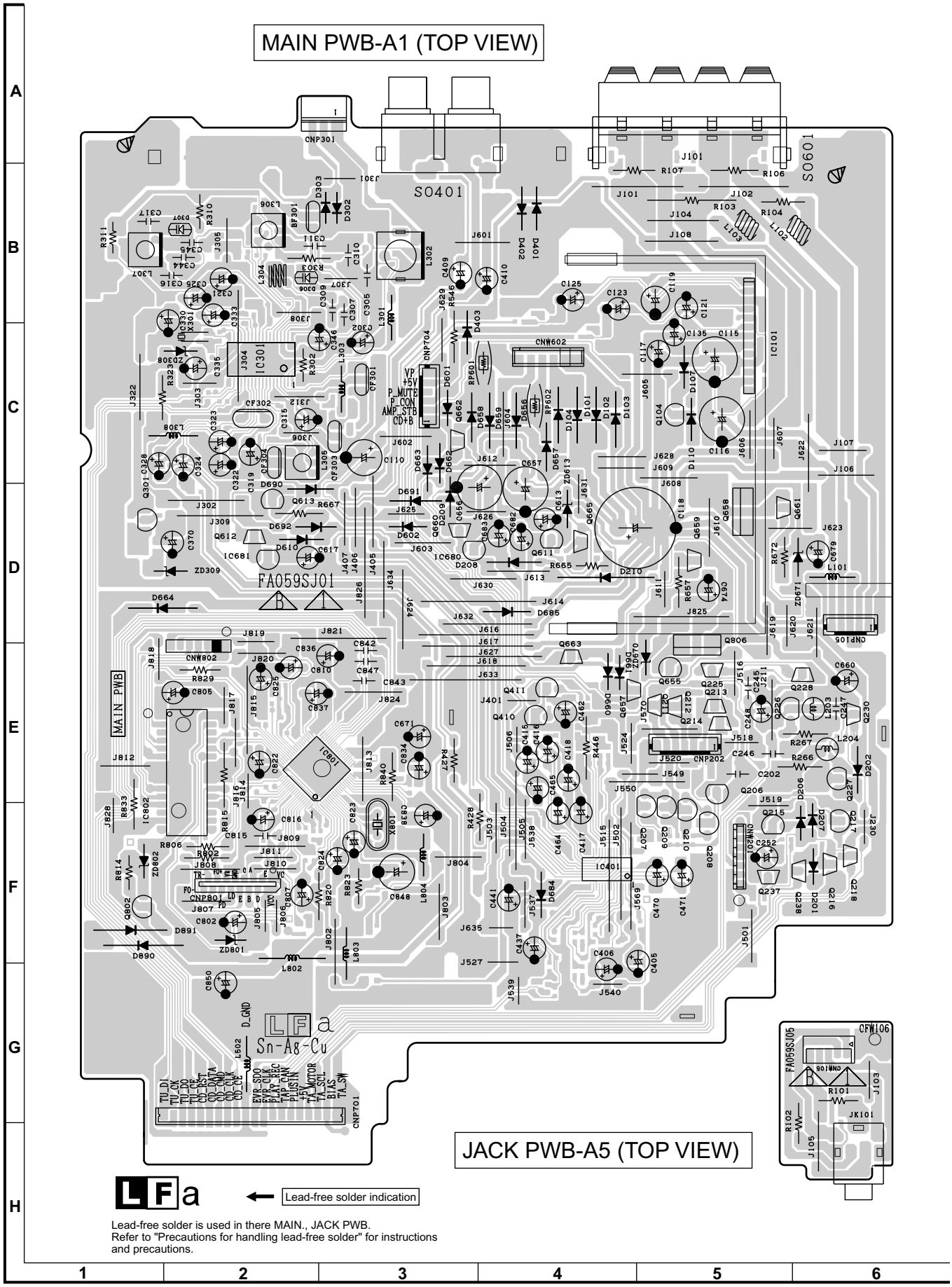
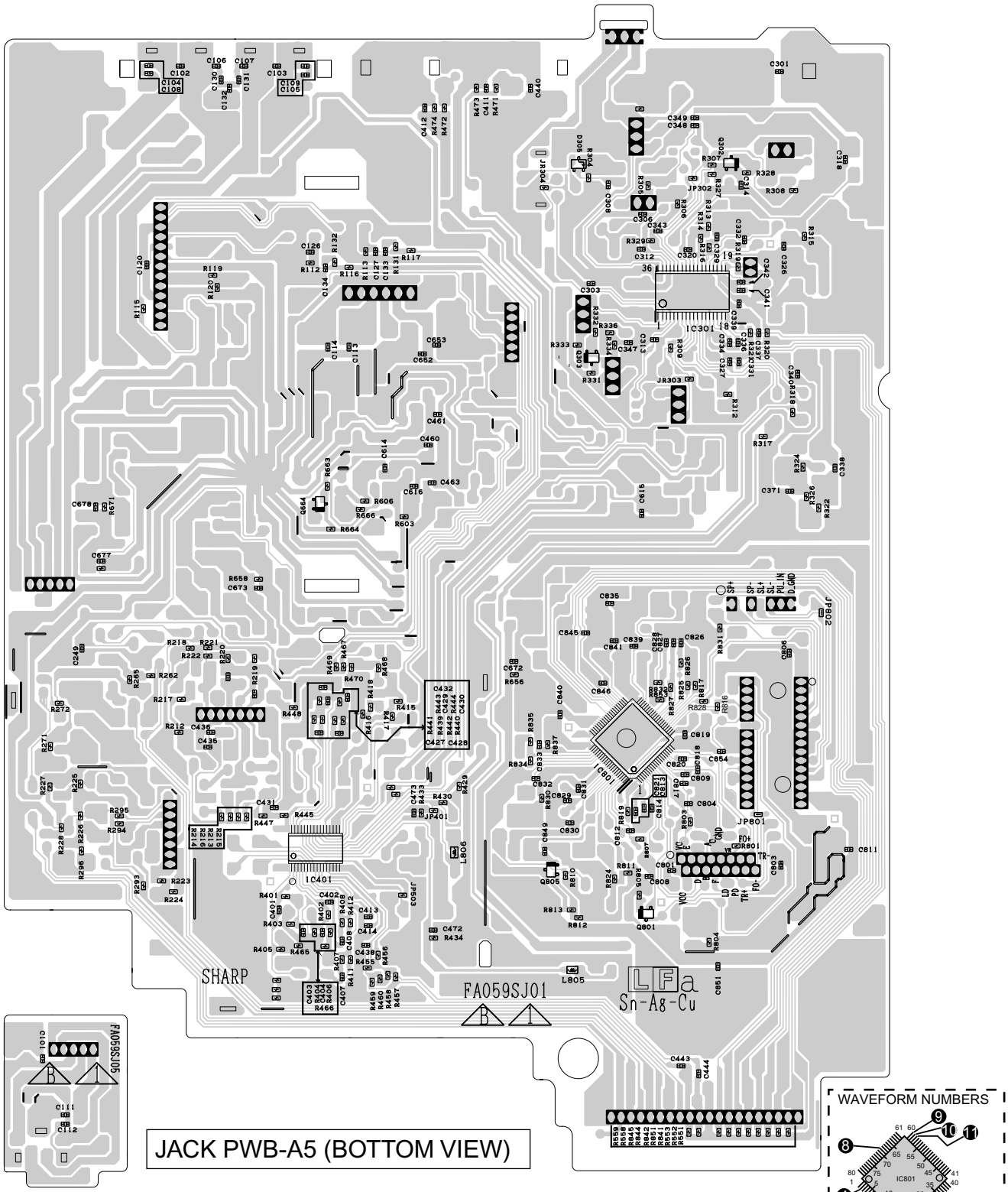



**Figure 6-14 WIRING SIDE OF PWB (3/7)**

MAIN PWB-A1 (BOTTOM VIEW)



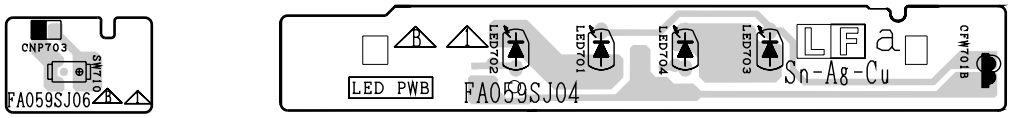

JACK PWB-A5 (BOTTOM VIEW)

● The numbers ❶ to ⓫ are waveform numbers shown in page 5-1

| 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|

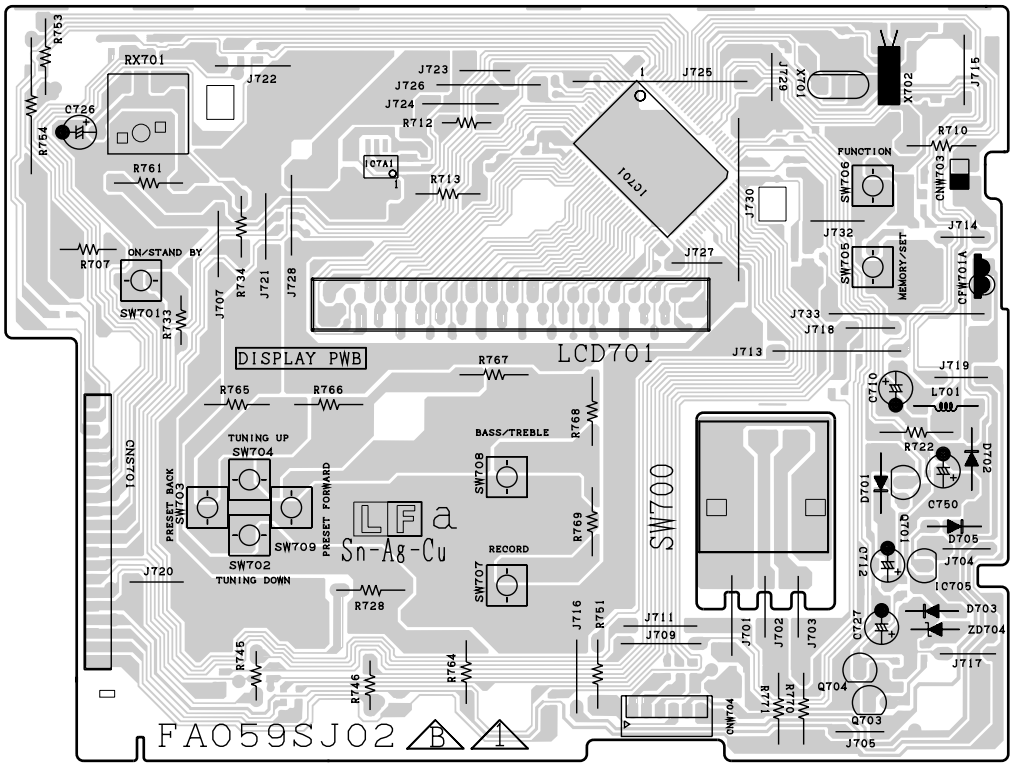
**Figure 6-15 WIRING SIDE OF PWB (4/7)**

LED PWB-A4 (TOP VIEW)




SWITCH PWB-A6 (TOP VIEW)

DISPLAY PWB-A2 (TOP VIEW)

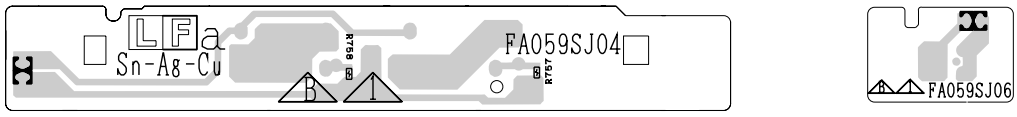



LFa ← Lead-free solder indication

Lead-free solder is used in the DISPLAY,LED,SWITCH PWB.
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

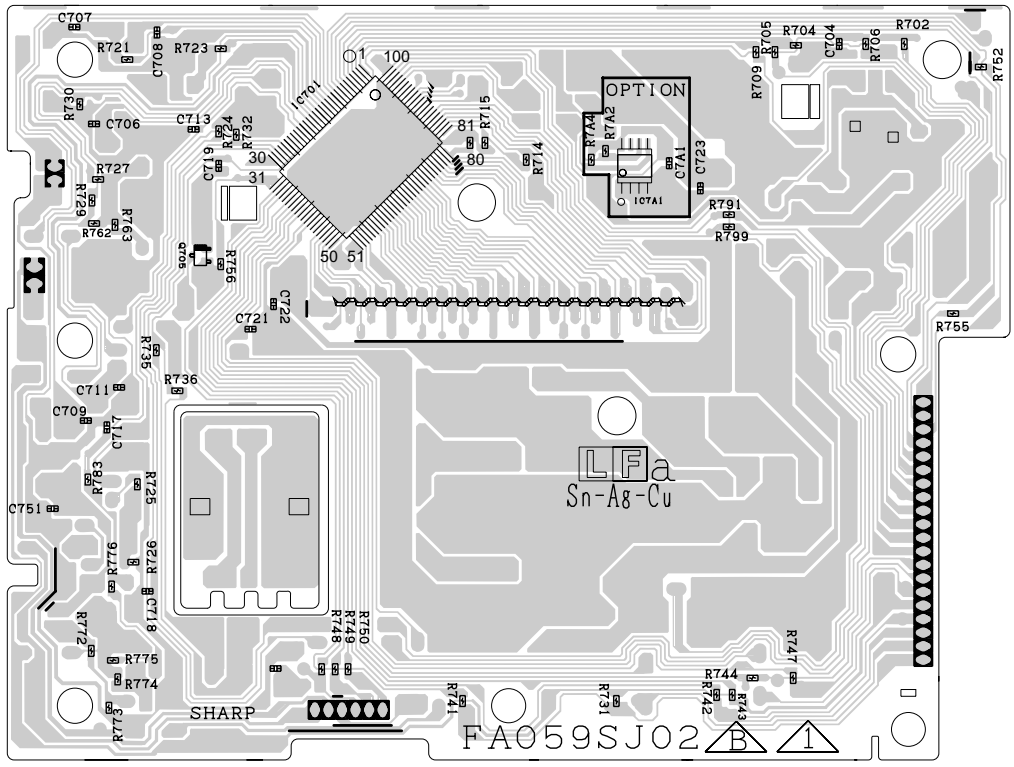
**Figure 6-16 WIRING SIDE OF PWB (5/7)**

LED PWB-A4 (BOTTOM VIEW)




SWITCH PWB-A6 (BOTTOM VIEW)

DISPLAY PWB-A2 (BOTTOM VIEW)

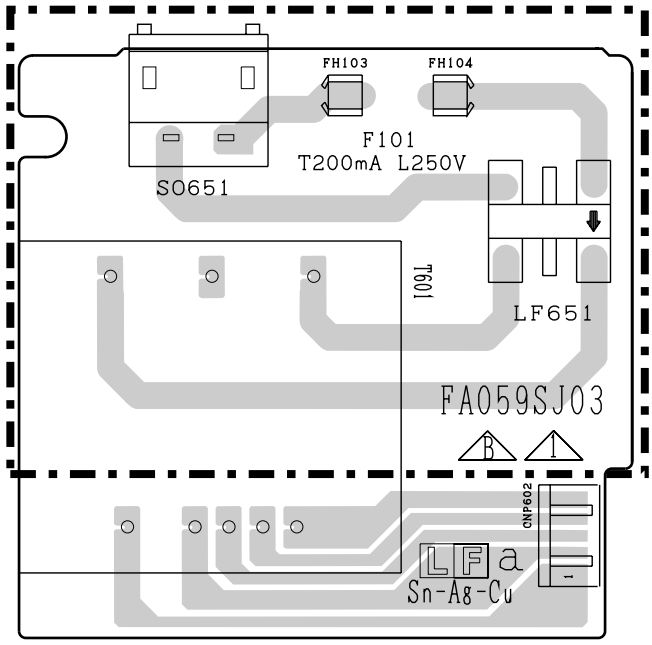



| | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|

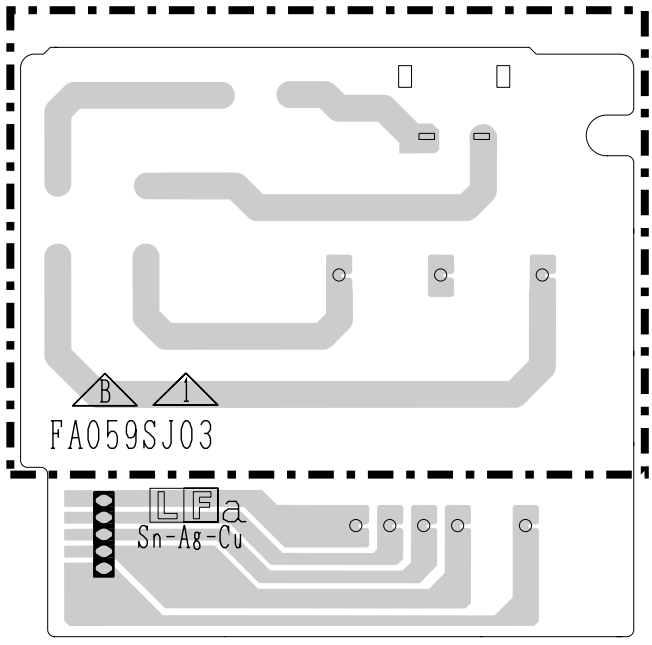
**Figure 6-17 WIRING SIDE OF PWB (6/7)**

## POWER PWB-A3 (TOP VIEW)

When Servicing,
Pay attention as the area enclosed by this line (▬ ▪ ▬) is directly connected with AC main voltage.




## POWER PWB-A3 (BOTTOM VIEW)




LF a ← Lead-free solder indication

Lead-free solder is used in the POWER PWB.
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

**Figure 6-18 WIRING SIDE OF PWB (7/7)**

# CHAPTER 7. OTHERS

## [1] FUNCTION TABLE OF IC

**IC701 RH-iXA044SJZZ: System Microcomputer (IXA044SJ)**

| Pin No. | Port Name | Terminal Name | Input/Output | Function |
|---|---|---|---|---|
| 1 | P06 | O_CD_RESET | Output | CD RESET |
| 2 | P07 | O_CD_CE | Output | CD-CE |
| 3 | P10/SO0 | O_CD_DATA | Output | CD DATA OUT |
| 4 | P11/SI0/SB0 | I_CD_DATA | Input | CD DATA INPUT |
| 5 | P12/SCK0 | O_CD_CLK | Output | CD CLOCK |
| 6 | P13/SO1 | O_TU_DATA | Output | TUNER DATA OUT (LV23002) |
| 7 | P14/S11/SB1 | I_TU_DATA | Input | TUNER DATA INPUT (LV23002) |
| 8 | P15/SCK1 | O_TU_CLK | Output | TUNER CLOCK (LV23002) |
| 9 | P16/T1PWML | O_TU_CE | Output | TUNER CHIP SELECT |
| 10 | P17/T1PWMH/ BUZ | O_P_MUTE | Output | AMP INPUT MUET (H:ON) |
| 11 | RES | - | Input | RESET |
| 12 | XT1/AN10 | - | - | SUB CLOCK f=32.768KHz |
| 13 | XT2/AN11 | - | - | |
| 14 | VSS1 | GND | - | GND |
| 15 | CF1 | - | - | MAIN CLOCK f=8MHz |
| 16 | CF2 | - | - | |
| 17 | VDD1 | VDD1 | - | +5.0V |
| 18 | P80/AN0 | I_KEY1 | I[A/D] | KEY INPUT |
| 19 | P81/AN1 | I_KEY2 | I[A/D] | KEY INPUT |
| 20 | P82/AN2 | I_SUFIXÅ(MATRIX) | I[A/D] | DIFFERENT COUNTRY SELECT |
| 21 | P83/AN3 | I_TP_STATE | I[A/D] | DECK STATE INPUT |
| 22* | P84/AN4 | NC | - | |
| 23* | P85/AN5 | NC | - | |
| 24 | P86/AN6 | I_VOL_ENC | I[A/D] | VOL ENCODER INPUT |
| 25* | P87/AN7/MICIN | NC | - | |
| 26 | P70/INT0/T0LCP/ AN8 | I_HOLD | I[INT] | BACKUP |
| 27* | P71/INT1/T0HCP/ AN9 | NC | - | |
| 28 | P72/INT2/T0IN | I_POWER | I[INT] | POWER KEY |
| 29 | P73/INT3/T0IN | I_REM | I[INT] | REMOTE SIGNAL INPUT |
| 30* | S0/PA0 | NC | - | |
| 31 | S1/PA1 | LED_CON | Output | LED CONTROL |
| 32 | S2/PA2 | O_POWER | Output | POWER SWITCH |
| 33 | S3/PA3 | O_AMP_ON | Output | AMP ON |
| 34 | S4/PA4 | O_CD_ON | Output | CD POWER ON |
| 35* | S5/PA5 | NC | - | |
| 36 | S6/PA6 | O_TP_SOL | Input | TAPE SOLIDE |
| 37 | S7/PA7 | O_TP_MOTOR | Input | TAPE MOTER |
| 38 | S8/PB0 | O_TP_REC | Input | TAPE RECORD |
| 39 | S9/PB1 | O_TP_BIAS | Input | TAPE BIAS |
| 40 | S10/PB2 | O_B_CAN | Input | AM=>TAPE REC "Beat" CANCEL |
| 41* | S11/PB3 | NC | - | |
| 42 | S12/PB4 | I_TP_RUNPLS | Input | TAPE RUN PLUS IN |
| 43 | S13/PB5 | NC | - | |
| 44* | S14/PB6 | NC | - | |
| 45* | S15/PB7 | NC | - | |
| 46 | S16/PC0 | S31 | - | LCD SEGMENT |
| 47 | S17/PC1 | S30 | - | |
| 48 | S18/PC2 | S29 | - | |
| 49 | S19/PC3 | S28 | - | |
| 50 | S20/PC4 | S27 | - | |
| 51 | S21/PC5 | S26 | - | |
| 52 | S22/PC6 | S25 | - | |
| 53 | S23/PC7 | S24 | - | |
| 54 | VDD2 | VDD2 | - | +5.0V |
| 55 | VSS2 | GND | - | GND |

| Pin No. | Port Name | Terminal Name | Input/Output | Function |
|---|---|---|---|---|
| 56 | S24/PD0 | S23 | - | LCD SEGMENT |
| 57 | S25/PD1 | S22 | - | |
| 58 | S26/PD2 | S21 | - | |
| 59 | S27/PD3 | S20 | - | |
| 60 | S28/PD4 | S19 | - | |
| 61 | S29/PD5 | S18 | - | |
| 62 | S30/PD6 | S17 | - | |
| 63 | S31/PD7 | S16 | - | |
| 64 | S32/PE0 | S15 | - | |
| 65 | S33/PE1 | S14 | - | |
| 66 | S34/PE2 | S13 | - | |
| 67 | S35/PE3 | S12 | - | |
| 68 | S36/PE4 | S11 | - | |
| 69 | S37/PE5 | S10 | - | |
| 70 | S38/PE6 | S9 | - | |
| 71 | S39/PE7 | S8 | - | |
| 72 | S40/PF0 | S7 | - | |
| 73 | S41/PF1 | S6 | - | |
| 74 | S42/PF2 | S5 | - | |
| 75 | S43/PF3 | S4 | - | |
| 76 | S44/PF4 | S3 | - | |
| 77 | S45/PF5 | S2 | - | |
| 78 | S46/PF6 | S1 | - | |
| 79 | S47/PF7 | S0 | - | |
| 80 | V3/PL6/AN14 | NC | Output | |
| 81 | V2/PL5/AN13 | NC | Output | |
| 82 | V1/PL4/AN12 | NC | Output | |
| 83 | COM1/PL0 | COM0 | - | LCD COMMON |
| 84 | COM1/PL1 | COM1 | - | |
| 85 | COM2/PL2 | COM2 | - | |
| 86 | COM3/PL3 | COM3 | - | |
| 87* | P30/INT4/T1IN | NC | Output | |
| 88* | P31/INT4/T1IN | NC | Output | |
| 89 | VSS3 | GND | - | |
| 90 | VDD3 | VDD3 | - | |
| 91* | P32/INT4/T1IN | NC | Output | |
| 92* | P33/INT4/T1IN | PRG2 | Input/Output | PROGRAM USE |
| 93* | P34/INT5/T1IN | PRG1 | Input/Output | |
| 94* | P35/INT5/T1IN | PRG0 | Output | |
| 95* | P00 | NC | Output | |
| 96 | P01 | I_CD_LID | Input | CD LID OPEN SWITCH |
| 97* | P02 | O_EEP_CLK | Output | EEPROM CLOCK |
| 98* | P03 | IO_EEP_DATA | Input/Output | EEPROM DATA |
| 99 | P04 | O_FUNC_CLK | Output | CONT OUT (BD3881) |
| 100 | P05 | O_FUNC_DATA | Output | CONT OUT (BD3881) |

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

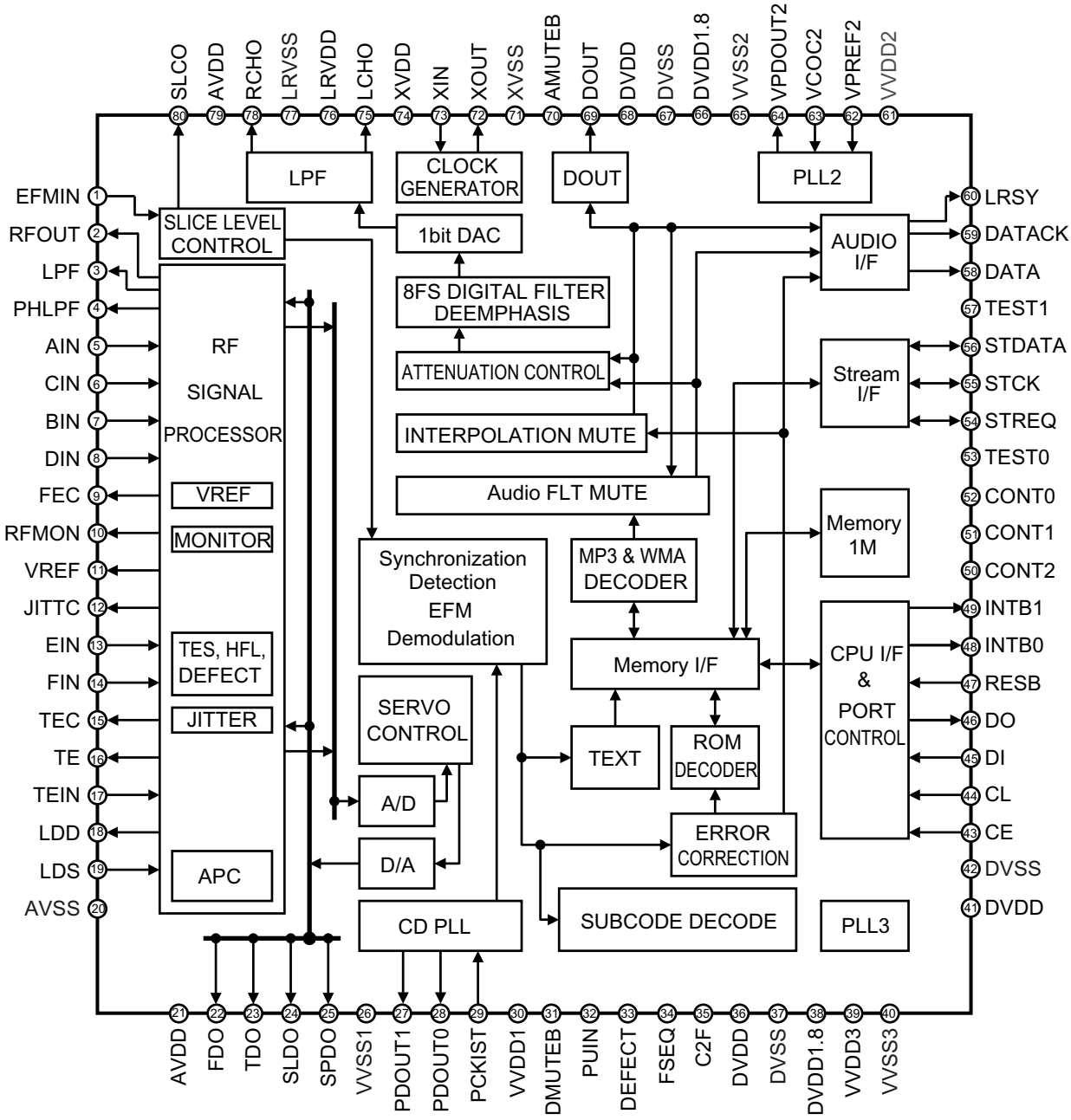
**IC801 VHiLC78690/-1:MP3 Decoder Digital Signal Processor (LC78690)**

| Pin No. | Terminal Name | Input/Output | Setting in Reset | Function | |
|---|---|---|---|---|---|
| 1 | EFMIN | Input | Input | RF signal input. | |
| 2 | RFOUT | Output | Unfix | RF signal output. | |
| 3 | LPF | Output | Unfix | To LPF capacitor for detecting DC level of RF signal. | |
| 4 | PHLPF | Output | Unfix | To LPF capacitor for detecting scratch. | |
| 5 | AIN | Input | Input | A signal input. | |
| 6 | CIN | Input | Input | C signal input. | |
| 7 | BIN | Input | Input | B signal input. | |
| 8 | DIN | Input | Input | D signal input. | |
| 9 | FEC | Output | Unfix | To LPF capacitor for FE signal. | |
| 10* | RFMON | Output | Unfix | Monitoring for LSI internal analog signal. | |
| 11 | VREF | Output | AVDD/2 | VREF voltage output. | |
| 12 | JITTC | Output | Unfix | For jitter detection capacitor. | |
| 13 | EIN | Input | Input | E signal input. | |
| 14 | FIN | Input | Input | F signal input. | |
| 15 | TEC | Output | Unfix | To LPF capacitor for TE signal. | |
| 16 | TE | Output | Unfix | TE signal output. | |
| 17 | TEIN | Input | Input | TE signal input for TES signal generation. | |
| 18 | LDD | Output | Unfix | Laser power control signal output. | |
| 19 | LDS | Input | Input | Laser power detection signal input. | |
| 20 | AVSS | - | - | Analog GND. Connected to 0V. | |
| 21 | AVDD | - | - | Analog power supply. | |
| 22 | FDO | Output | AVDD/2 | Focus control signal output. D/A output. | |
| 23 | TDO | Output | AVDD/2 | Tracking control signal output. D/A output. | |
| 24 | SLDO | Output | AVDD/2 | Sled control signal output. D/A output. | |
| 25 | SPDO | Output | AVDD/2 | Spindle control signal output. D/A output. | |
| 26 | VVSS1 | - | - | For EFM PLL | GND for built-in VCO. Connected to 0V. |
| 27 | PDOUT1 | Output | Unfix | | Phase comparison output pin 1 for built-in VCO control. |
| 28 | PDOUT0 | Output | Unfix | | Phase comparison output pin 0 for built-in VCO control. |
| 29 | PCKIST | Input | Input | | To resistance for current setting of PDOUT0, 1 output. |
| 30 | VVDD1 | - | - | | Power supply for built-in VCO |
| 31* | DMUTEB | Output | L | DMUTEB (general-purpose) output | |
| 32 | PUIN | Input/Output | Input | PUIN (general-purpose) input/output (Built-in Pull-Up resistance) | |
| 33* | DEFECT | Output | L | Scratch detection signal output | |
| 34* | FSEQ | Output | L | Sync signal output. Switches to "H" when sync signal detected from EFM signal and sync signal generated internally are the same. | |
| 35* | C2F | Output | L | C2 error signal output. | |
| 36 | DVDD | - | - | Digital power supply. | |
| 37 | DVSS | - | - | Digital GND. Connected to 0V. | |
| 38 | DVDD1.8 | Output | H | To power supply capacitor for digital circuit. | |
| 39 | VVDD3 | - | - | Power supply for built-in PLL. | |
| 40 | VVSS3 | - | - | GND for built-in PLL. Connected to 0V. | |
| 41 | DVDD | - | - | Digital power supply. | |
| 42 | DVSS | - | - | Digital GND. Connected to 0V. | |
| 43 | CE | Input | Input | For micro-processor interface | Enable signal input. |
| 44 | CL | Input | Input | | Data transfer clock input. |
| 45 | DI | Input | Input | | Data input |
| 46 | DO | Output | (H) | | Data output (Tri-state output: Built-in Pull-Up resistance) |
| 47 | RESB | Input | - | Reset input for this LSI. Set as "L" when turning power on. | |
| 48* | INTB0 | Output | H | Interrupt signal output pin 0 (Servo section) | |
| 49* | INTB1 | Output | H | Interrupt signal output pin 1 (Decoder section) | |
| 50 | CONT2 | Input/Output | Input | General-purpose input/ output pin 2 | Controlled by command from microprocessor. When not in use, set as input and connect to 0V, or set as output and leave open. |
| 51* | CONT1 | Input/Output | Input | General-purpose input/ output pin 1 | |
| 52* | CONT0 | Input/Output | Input | General-purpose input/ output pin 0 (Built-in Pull-Up resistance) | |
| 53 | TEST0 | Input | L | Input for testing. Connected to 0V. | |
| 54 | STREQ | Input/Output | Input | Stream data request signal output. | |
| 55 | STCK | Input/Output | Input | Bit clock input for stream data. | |
| 56 | STDATA | Input/Output | Input | Stream data input. | |
| 57 | TEST1 | Input | L | Input for testing. Connected to 0V. | |
| 58* | DATA | Output | L | L/R channel data output. | |
| 59* | DATACK | Output | L | Bit clock output | |

| Pin No. | Terminal Name | Input/Output | Setting in Reset | Function | |
|---|---|---|---|---|---|
| 60* | LRSY | Output | L | L/R ch clock output | |
| 61 | VVDD2 | - | - | For EFM PLL | Power supply for built-in VCO |
| 62 | VPREF2 | Input | Input | | Input for oscillation range setting of built-in VCO. |
| 63 | VCOC2 | Input | Input | | Input for control voltage setting of built-in VCO. |
| 64 | VPDOUT2 | Output | Unfix | | Output for controlling built-in VCO. |
| 65 | VVSS2 | - | - | | GND for built-in VCO. Connected to 0V. |
| 66 | DVDD1.8 | Output | H | To power supply capacitor for digital circuit. | |
| 67 | DVSS | - | - | Digital GND. Connected to 0V. | |
| 68 | DVDD | - | - | Digital power supply. | |
| 69* | DOUT | Output | L | Digital OUT output. EIAJ format. | |
| 70* | AMUTEB | Output | L | AMUTEB (general-purpose) output. | |
| 71 | XVSS | - | - | Digital GND. Connected to 0V. | |
| 72 | XOUT | Output | Oscillator | For crystal oscillation | To 16.9344 MHz oscillator |
| 73 | XIN | Input | Oscillator | | |
| 74 | XVDD | - | - | Digital power supply | |
| 75 | LCHO | Output | LRVDD/2 | D/A converter | L channel output. |
| 76 | LRVDD | - | - | | Power supply for LR channel. |
| 77 | LRVSS | - | - | | GND for LR channel. Connected to 0V. |
| 78 | RCHO | Output | LRVDD/2 | | R channel output. |
| 79 | AVDD | - | - | Analog power supply. | |
| 80 | SLCO | Output | Unfix | Slice level control output. | |

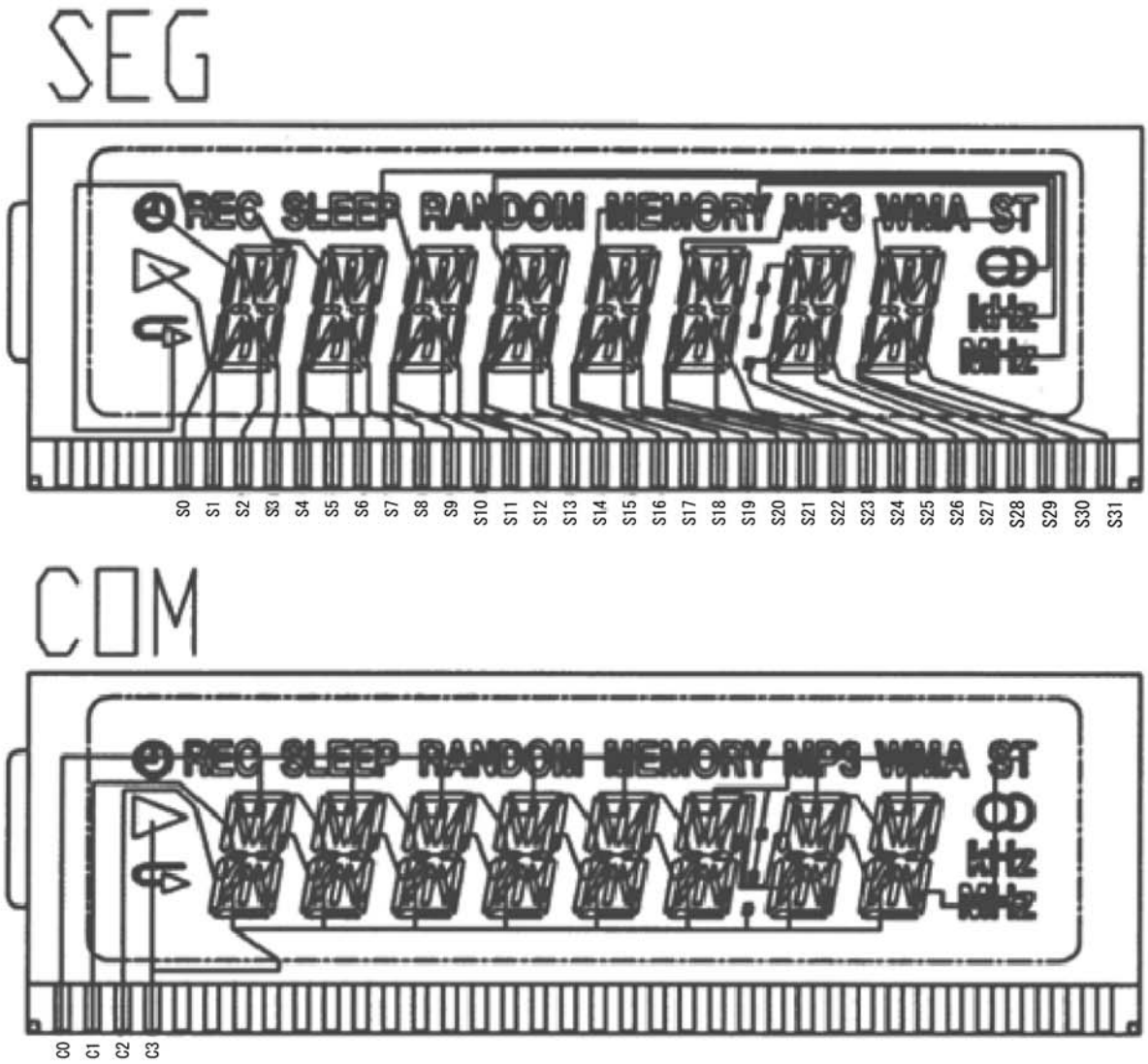
In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

**IC801 VHiLC78690/-1:MP3 Decoder Digital Signal Processor (LC78690)**



## [2] LCD DISPLAY

**LCD701:RV-LXA007SJZZ**


SEG
REC SLEEP RANDOM MEMORY MP3 WMA ST
kHz
MHz
S0 S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25 S26 S27 S28 S29 S30 S31
COM
REC SLEEP RANDOM MEMORY MP3 WMA ST
kHz
MHz
C0 C1 C2 C3

| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COM0 | COM0 | / | / | / | ◎ | 1H | 1G | 1A | REC | 2H | 2G | 2A | SLEEP | 3H | 3G | 3A | RANDOM | 4H |
| COM1 | / | COM1 | / | / | 1B | 1J | 1N | 1P | 2B | 2J | 2N | 2P | 3B | 3J | 3N | 3P | 4B | 4J |
| COM2 | / | / | COM2 | / | 1C | 1I | 1M | 1E | 2C | 2I | 2M | 2F | 3C | 3I | 3M | 3F | 4C | 4I |
| COM3 | / | / | / | COM3 | ▷ | 1K | 1D | 1E | ⊂ | 2K | 2D | 2E | MHz | 3K | 3D | 3E | kHz | 4K |
| PIN | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| COM0 | 4G | 4A | MEMORY | 5H | 5G | 5A | MP3 | 6H | 6G | 6A | 6R | 7H | 7G | 7A | WMA | 8H | 8G | 8A |
| COM1 | 4N | 4P | 5B | 5J | 5N | 5P | 6B | 6J | 6N | 6P | 7B | 7J | 7N | 7P | 8B | 8J | 8N | 8P |
| COM2 | 4M | 4F | 5C | 5I | 5M | 5F | 6C | 6I | 6M | 6F | 7C | 7I | 7M | 7F | 8C | 8I | 8M | 8F |
| COM3 | 4D | 4E | ○ | 5K | 5D | 5E | / | 6K | 6D | 6E | 6Q | 7K | 7D | 7E | ST | 8K | 8D | 8E |

# SHARP PARTS GUIDE

## MICRO COMPONENT SYSTEM

## MODEL XL-MP40H

**XL-MP40H Micro Component System consisting of XL-MP40H (main unit) and CP-MP40H (speaker system).**

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Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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The contents are subject to change without notice.

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|
| **[1] INTEGRATED CIRCUITS** | | | | | |
| iC101 | VHiLA4631++-1 | AM | | | Power Amp.,LA4631++ |
| iC301 | VHiLV23002M-1 | AS | | | FM FRONT END/PLL/FM IF Det./FM Mpx./AM IF,LV23002M |
| iC401 | VHiBD3881FV-1 | AP | | | Audio Processor/Record/Playback Amp.,BD3881FV |
| iC680 | VHiAN78L05/-1 | AE | | | Constant Voltage Regulator,AN78L05 |
| iC681 | VHiAN78L05/-1 | AE | | | Constant Voltage Regulator,AN78L05 |
| iC701 | RH-iXA044SJZZ | | | | System Microcomputer,IXA044SJ |
| iC705 | VHiAN78L05/-1 | AE | | | Constant Voltage Regulator,AN78L05 |
| iC801 | VHiLC78690/-1 | BE | | | MP3 Decoder Digital Signal Processor,LC78690 |
| iC802 | VHiLA6548ND-1 | AL | | | Focus/Tracking/Spin/Sled Driver,LA6548ND |
| **[2] TRANSISTORS** | | | | | |
| Q104 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q206 | VS2HA1015GR-1 | AB | | | Silicon,PNP,2HA1015 GR |
| Q207 | VS2SC1845F/-1 | AC | | | Silicon,NPN,2SC1845 F |
| Q208 | VS2SC1845F/-1 | AC | | | Silicon,NPN,2SC1845 F |
| Q209 | VS2SC1845F/-1 | AC | | | Silicon,NPN,2SC1845 F |
| Q210 | VS2SC1845F/-1 | AC | | | Silicon,NPN,2SC1845 F |
| Q211 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q212 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q213 | VSKRC101M//-1 | AB | | | Digital,NPN,KRC101 M |
| Q214 | VSKRC101M//-1 | AB | | | Digital,NPN,KRC101 M |
| Q215 | VS2SB561-C/-1 | AC | | | Silicon,PNP,2SB561 C |
| Q216 | VSKRC106M//-1 | AB | | | Digital,NPN,KRC106 M |
| Q217 | VS2SB561-C/-1 | AC | | | Silicon,PNP,2SB561 C |
| Q218 | VSKRC106M//-1 | AB | | | Digital,NPN,KRC106 M |
| Q225 | VSKRC101M//-1 | AB | | | Digital,NPN,KRC101 M |
| Q226 | VS2SC2001-K-1 | AD | | | Silicon,NPN,2SC2001 K |
| Q227 | VS2SB561-C/-1 | AC | | | Silicon,PNP,2SB561 C |
| Q228 | VSKRC101M//-1 | AB | | | Digital,NPN,KRC101 M |
| Q230 | VSKRC106M//-1 | AB | | | Digital,NPN,KRC106 M |
| Q237 | VSKRC107M//-1 | AC | | | Digital,NPN,KRC107 M |
| Q238 | VSKRA107M//-1 | AE | | | Digital,PNP,KRA107 M |
| Q301 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q302 | VS2SC5477++-1 | AD | | | Silicon,NPN,2SC5477++ |
| Q303 | VS2SC5477++-1 | AD | | | Silicon,NPN,2SC5477++ |
| Q410 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q411 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q611 | VS2HA1015GR-1 | AB | | | Silicon,PNP,2HA1015 GR |
| Q612 | VSKRA107M//-1 | AE | | | Digital,PNP,KRA107 M |
| Q613 | VS2SB562-C/-1 | AD | | | Silicon,PNP,2SB562 C |
| Q655 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q657 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q658 | VSKTC2026Y/-1 | AE | | | Silicon,NPN,KTC2026 Y |
| Q659 | VSKRA107M//-1 | AE | | | Digital,PNP,KRA107 M |
| Q660 | VSKRA107M//-1 | AE | | | Digital,PNP,KRA107 M |
| Q661 | VSKRA107M//-1 | AE | | | Digital,PNP,KRA107 M |
| Q662 | VSKRC101M//-1 | AB | | | Digital,NPN,KRC101 M |
| Q663 | VSKRA107M//-1 | AE | | | Digital,PNP,KRA107 M |
| Q664 | VS2SA1235F+-1 | AD | | | Silicon,PNP,2SA1235 F+ |
| Q665 | VS2SK2541//-1 | AC | | | FET,2SK2541 |
| Q701 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q703 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q704 | VS2HC1815GR-1 | AB | | | Silicon,NPN,2HC1815 GR |
| Q705 | VS2SC3052F+-1 | AD | | | Silicon,NPN,2SC3052 F+ |
| Q801 | VS2SA1235F+-1 | AD | | | Silicon,PNP,2SA1235 F+ |
| Q802 | VSKTC3200GR-1 | AC | | | Silicon,NPN,KTC3200 GR |
| Q805 | VS2SC3052F+-1 | AD | | | Silicon,NPN,2SC3052 F+ |
| Q806 | VSKTC2026Y/-1 | AE | | | Silicon,NPN,KTC2026 Y |
| **[3] DIODES** | | | | | |
| D101 | VHD1N5395//-1 | AB | | | Silicon,1N5395 |
| D102 | VHD1N5395//-1 | AB | | | Silicon,1N5395 |
| D103 | VHD1N5395//-1 | AB | | | Silicon,1N5395 |
| D104 | VHD1N5395//-1 | AB | | | Silicon,1N5395 |
| D107 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D110 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D201 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D202 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| D206 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D207 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D208 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D209 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D210 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D302 | VHD1SS133//-1 | AA | | | Silicon,1SS133 |
| D303 | VHD1SS133//-1 | AA | | | Silicon,1SS133 |
| D305 | VHCSVC347S/-1 | AG | | | Variable Capacitance,SVC347S |
| D306 | VHCSVC201//-1 | AE | | | Variable Capacitance,SVC201 |
| D307 | VHCSVC201//-1 | AE | | | Variable Capacitance,SVC201 |
| D401 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D402 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D403 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D601 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D602 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D610 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| D656 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |

| | NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|---|
| | **[3] DIODES** | | | | | |
| | D657 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| | D658 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| | D659 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| | D660 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| | D661 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| | D662 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| | D663 | VHDSR2400//-1 | AC | | | Silicon,SR2400 |
| | D664 | VHDSR2400//-1 | AC | | | Silicon,SR2400 |
| | D684 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| | D685 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| | D690 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| | D691 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| | D692 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| | D701 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| | D702 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| | D703 | VHD1N4148//-1 | AA | | | Silicon,1N4148 |
| | D705 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| | D890 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| | D891 | VHD1N4004//-1 | AB | | | Silicon,1N4004 |
| | LED701 | VHPMPG3372X-V | AD | | | LED,Green,MPG3372X |
| | LED702 | VHPMPG3372X-V | AD | | | LED,Green,MPG3372X |
| | LED703 | VHPMPG3372X-V | AD | | | LED,Green,MPG3372X |
| | LED704 | VHPMPG3372X-V | AD | | | LED,Green,MPG3372X |
| | ZD308 | VHEMTZJ3R6B-1 | AC | | | Zener,3.6V,MTZJ3.6B |
| | ZD309 | VHEMTZJ120B-1 | AC | | | Zener,12V,MTZJ12B |
| | ZD613 | VHEDZ5R6BSB-1 | AC | | | Zener,5.6V,DZ5.6B |
| | ZD670 | VHEDZH09C1+-1 | AB | | | Zener,9.1V,DZH09C1+ |
| | ZD671 | VHEDZ100BSB-1 | AB | | | Zener,10V,DZ10BSB |
| | ZD704 | VHEDZ3R3BSB-1 | AB | | | Zener,3.3V,DZ3.3BSB |
| | ZD801 | VHEDZH05C2+-1 | AB | | | Zener,5.1V,DZH05C2+ |
| | ZD802 | VHEDZH04B2+-1 | AB | | | Zener,3.9V,DZH04B2+ |
| | **[4] FILTERS** | | | | | |
| | BF301 | RFiLRA001SJZZ | AD | | | Band Pass Filter |
| | CF301 | RFiLFA001SJZZ | AE | | | FM IF |
| | CF302 | RFiLF0003AWZZ | AK | | | FM IF |
| | CF303 | RFiLFA001SJZZ | AE | | | FM IF |
| | CF304 | RFiLA0003SJZZ | AF | | | AM IF |
| | **[5] TRANSFORMERS** | | | | | |
| ⚠ | T601 | RTRNPA035SJZZ | | | | Power |
| | **[6] COILS** | | | | | |
| | L101 | VP-DH1R0K0000 | AC | | | 1 μH |
| | L102 | RCiLZA001SJZZ | AC | | | Line Filter |
| | L103 | RCiLZA001SJZZ | AC | | | Line Filter |
| | L203 | VP-MK331K0000 | AB | | | 330 μH,Choke |
| | L204 | VP-MK102K0000 | AB | | | 1 mH,Choke |
| | L301 | VP-DH1R0K0000 | AC | | | 1 μH |
| | L302 | RCiLAA002SJZZ | AC | | | AM Antenna |
| | L303 | VP-DH100K0000 | AB | | | 10 μH,Choke |
| | L304 | RCiLRA001SJZZ | AA | | | FM RF |
| | L305 | RCiLiA001SJZZ | AC | | | AM IF |
| | L306 | RCiLBA006SJZZ | AC | | | AM OSC. |
| | L307 | RCiLBA004SJZZ | AD | | | FM OSC. |
| | L308 | VP-DH470K0000 | AB | | | 47 μH,Choke |
| | L502 | VP-DHR82K0000 | AE | | | 0.82 μH,Choke |
| | L701 | VP-DH101K0000 | AB | | | 100 μH,Choke |
| | L802 | VP-DHR82K0000 | AE | | | 0.82 μH,Choke |
| | L803 | VP-DHR82K0000 | AE | | | 0.82 μH,Choke |
| | L804 | VP-DHR82K0000 | AE | | | 0.82 μH,Choke |
| | L805 | RBLN-A003SJZZ | AB | | | Ferrite Bead,1 kohms |
| | L806 | RBLN-A003SJZZ | AB | | | Ferrite Bead,1 kohms |
| ⚠ | LF651 | RCiLZA004SJZZ | AD | | | Line Filter |
| | **[7] VIBRATORS** | | | | | |
| | X301 | RCRSPA006SJZZ | AF | | | Crystal,75 kHz |
| | X701 | RCRM-0008SJZZ | AG | | | Ceramic,8 MHz |
| | X702 | RCRSP0007SJZZ | AE | | | Crystal,32.768 kHz |
| | X801 | RCRSP0002SJZZ | AL | | | Crystal,16.93 MHz |
| | **[8] THERMISTOR** | | | | | |
| ⚠ | RP601 | RH-QX1067AFZZ | AE | | | Posistor,8.2 ohms |
| ⚠ | RP602 | RH-QX1067AFZZ | AE | | | Posistor,8.2 ohms |

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|
| **[9] CAPACITORS** | | | | | |
| C101 | VCKYCY1HB102K | AA | | | 0.001 μ F,50V |
| C102 | VCKYCY1HB472K | AA | | | 0.0047 μ F,50V |
| C103 | VCKYCY1HB472K | AA | | | 0.0047 μ F,50V |
| C104 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C105 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C106 | VCKYCY1HB472K | AA | | | 0.0047 μ F,50V |
| C107 | VCKYCY1HB472K | AA | | | 0.0047 μ F,50V |
| C108 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C109 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C110 | RC-GZV477AF1E | AC | | | 470 μ F,25V,Electrolytic |
| C111 | VCKYCY1HB102K | AA | | | 0.001 μ F,50V |
| C112 | VCKYCY1HB102K | AA | | | 0.001 μ F,50V |
| C113 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C114 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C115 | RC-GZV108AF1E | AD | | | 1000 μ F,25V,Electrolytic |
| C116 | RC-GZV108AF1C | AD | | | 1000 μ F,16V,Electrolytic |
| C117 | RC-GZA226AF1H | AB | | | 22 μ F,50V,Electrolytic |
| C118 | RC-GZW478AF1E | AG | | | 4700 μ F,25V,Electrolytic |
| C119 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C120 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C121 | RC-GZA475AF1H | AB | | | 4.7 μ F,50V,Electrolytic |
| C123 | RC-GZA105AF1H | AB | | | 1 μ F,50V,Electrolytic |
| C125 | RC-GZA105AF1H | AB | | | 1 μ F,50V,Electrolytic |
| C126 | VCKYCY1HB222K | AA | | | 0.0022 μ F,50V |
| C127 | VCKYCY1HB222K | AA | | | 0.0022 μ F,50V |
| C130 | VCKYCY1HB472K | AA | | | 0.0047 μ F,50V |
| C131 | VCKYCY1HB472K | AA | | | 0.0047 μ F,50V |
| C132 | VCKYCY1HB472K | AA | | | 0.0047 μ F,50V |
| C133 | VCKYCY1HB222K | AA | | | 0.0022 μ F,50V |
| C134 | VCKYCY1HB222K | AA | | | 0.0022 μ F,50V |
| C135 | RC-GZA475AF1E | AB | | | 4.7 μ F,25V,Electrolytic |
| C202 | VCTYPA1CX473K | AA | | | 0.047 μ F,16V |
| C245 | VCCSPA1HL681J | AA | | | 680 pF,50V |
| C246 | VCQPKA2AA222J | AA | | | 0.0022 μ F,100V,Polypropylene |
| C247 | VCQYKA1HM273J | AB | | | 0.027 μ F,50V,Mylar |
| C248 | RC-GZA476AF1H | AB | | | 47 μ F,50V,Electrolytic |
| C249 | VCKYCY1HB223K | AA | | | 0.022 μ F,50V |
| C252 | RC-GZA335AF1H | AB | | | 3.3 μ F,50V,Electrolytic |
| C301 | VCKYCY1HB102K | AA | | | 0.001 μ F,50V |
| C302 | RC-GZA105AF1H | AB | | | 1 μ F,50V,Electrolytic |
| C303 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C305 | VCCCPA1HH120J | AA | | | 12 pF (CH),50V |
| C306 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C307 | VCCUPA1HJ100D | AA | | | 10 pF (UJ),50V |
| C308 | VCKYCY1EB183K | AB | | | 0.018 μ F,25V |
| C309 | VCKYPA1HB102J | AA | | | 0.001 μ F,50V |
| C310 | VCCUPA1HJ270J | AA | | | 27 pF (UJ),50V |
| C311 | VCKYPA1HB561K | AA | | | 560 pF,50V |
| C312 | VCKYCY1HB153K | AA | | | 0.015 μ F,50V |
| C313 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C314 | VCKYCY1EB103K | AA | | | 0.01 μ F,25V |
| C315 | RC-GZA226AF1H | AB | | | 22 μ F,50V,Electrolytic |
| C316 | VCCCPA1HH330J | AA | | | 33 pF (CH),50V |
| C317 | VCKYPA1HB102J | AA | | | 0.001 μ F,50V |
| C318 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C319 | RC-GZA105AF1H | AB | | | 1 μ F,50V,Electrolytic |
| C320 | VCCCCY1HH101J | AA | | | 100 pF (CH),50V |
| C321 | RC-GZA334AF1H | AA | | | 0.33 μ F,50V,Electrolytic |
| C322 | RC-GZA105AF1H | AB | | | 1 μ F,50V,Electrolytic |
| C323 | RC-GZA105AF1H | AB | | | 1 μ F,50V,Electrolytic |
| C324 | RC-GZA105AF1H | AB | | | 1 μ F,50V,Electrolytic |
| C325 | RC-GZA226AF1H | AB | | | 22 μ F,50V,Electrolytic |
| C326 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C327 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C328 | RC-GZA105AF1H | AB | | | 1 μ F,50V,Electrolytic |
| C329 | VCKYCY1EB333K | AC | | | 0.033 μ F,25V |
| C330 | RC-GZA226AF1H | AB | | | 22 μ F,50V,Electrolytic |
| C331 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C332 | VCKYCY1HB102K | AA | | | 0.001 μ F,50V |
| C333 | RC-GZA475AF1H | AB | | | 4.7 μ F,50V,Electrolytic |
| C334 | VCCCCY1HH101J | AA | | | 100 pF (CH),50V |
| C335 | RC-GZA226AF1H | AB | | | 22 μ F,50V,Electrolytic |
| C336 | VCCCCY1HH101J | AA | | | 100 pF (CH),50V |
| C337 | VCCCCY1HH101J | AA | | | 100 pF (CH),50V |
| C338 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C339 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C340 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C341 | VCCCCY1HH100J | AA | | | 10 pF (CH),50V |
| C342 | VCCCCY1HH100J | AA | | | 10 pF (CH),50V |
| C343 | VCCSCY1HL5R0C | AD | | | 5 pF,50V |
| C344 | VCCCPA1HH330J | AA | | | 33 pF (CH),50V |
| C345 | VCCUPA1HJ5R0C | AA | | | 5 pF (UJ),50V |
| C346 | RC-GZA476AF1H | AB | | | 47 μ F,50V,Electrolytic |
| C347 | VCKYCY1HB473K | AB | | | 0.047 μ F,50V |
| C348 | VCKYCY1HB223K | AA | | | 0.022 μ F,50V |

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|
| **[9] CAPACITORS** | | | | | |
| C349 | VCKYCY1HB472K | AA | | | 0.0047 μ F,50V |
| C370 | RC-GZA476AF1H | AB | | | 47 μ F,50V,Electrolytic |
| C371 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C401 | VCCCCY1HH470J | AA | | | 47 pF (CH),50V |
| C402 | VCCCCY1HH470J | AA | | | 47 pF (CH),50V |
| C403 | VCKYCY1HB561K | AA | | | 560 pF,50V |
| C404 | VCKYCY1HB561K | AA | | | 560 pF,50V |
| C405 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C406 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C407 | VCKYCY1HB153K | AA | | | 0.015 μ F,50V |
| C408 | VCKYCY1HB153K | AA | | | 0.015 μ F,50V |
| C409 | RC-GZA106AF1H | AB | | | 10 μ F,50V,Electrolytic |
| C410 | RC-GZA106AF1H | AB | | | 10 μ F,50V,Electrolytic |
| C411 | VCKYCY1HB331K | AA | | | 330 pF,50V |
| C412 | VCKYCY1HB331K | AA | | | 330 pF,50V |
| C413 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C414 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C415 | RC-GZA224AF1H | AA | | | 0.22 μ F,50V,Electrolytic |
| C416 | RC-GZA224AF1H | AA | | | 0.22 μ F,50V,Electrolytic |
| C417 | RC-GZA224AF1H | AA | | | 0.22 μ F,50V,Electrolytic |
| C418 | RC-GZA224AF1H | AA | | | 0.22 μ F,50V,Electrolytic |
| C427 | VCKYCY1HB101K | AB | | | 100 pF,50V |
| C428 | VCKYCY1HB101K | AB | | | 100 pF,50V |
| C429 | VCKYCY1HB682K | AA | | | 0.0068 μ F,50V |
| C430 | VCKYCY1HB682K | AA | | | 0.0068 μ F,50V |
| C431 | VCKYCY1HB332K | AA | | | 0.0033 μ F,50V |
| C432 | VCKYCY1HB332K | AA | | | 0.0033 μ F,50V |
| C435 | VCCSCY1HL820J | AA | | | 82 pF,50V |
| C436 | VCCSCY1HL820J | AA | | | 82 pF,50V |
| C437 | RC-GZA477AF1C | AC | | | 470 μ F,16V,Electrolytic |
| C438 | VCCCCY1HH100J | AA | | | 10 pF (CH),50V |
| C440 | VCKYCY1HB102K | AA | | | 0.001 μ F,50V |
| C441 | RC-GZA477AF1C | AC | | | 470 μ F,16V,Electrolytic |
| C443 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C444 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C460 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C461 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C462 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C463 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C464 | RC-GZA106AF1H | AB | | | 10 μ F,50V,Electrolytic |
| C465 | RC-GZA106AF1H | AB | | | 10 μ F,50V,Electrolytic |
| C470 | RC-GZA224AF1C | AB | | | 0.22 μ F,16V,Electrolytic |
| C471 | RC-GZA224AF1C | AB | | | 0.22 μ F,16V,Electrolytic |
| C472 | VCKYCY1HB471K | AA | | | 470 pF,50V |
| C473 | VCKYCY1HB471K | AA | | | 470 pF,50V |
| C613 | RC-GZA106AF1H | AB | | | 10 μ F,50V,Electrolytic |
| C614 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C615 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C616 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C617 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C652 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C653 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C656 | RC-GZV108AF1C | AD | | | 1000 μ F,16V,Electrolytic |
| C657 | RC-GZV108AF1C | AD | | | 1000 μ F,16V,Electrolytic |
| C660 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C671 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C672 | VCKYCY1HB223K | AA | | | 0.022 μ F,50V |
| C673 | VCKYCY1HB223K | AA | | | 0.022 μ F,50V |
| C674 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C677 | VCKYCY1HB223K | AA | | | 0.022 μ F,50V |
| C678 | VCKYCY1HB223K | AA | | | 0.022 μ F,50V |
| C679 | RC-GZA107AF1E | AB | | | 100 μ F,25V,Electrolytic |
| C682 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C683 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C704 | VCCCCY1HH101J | AA | | | 100 pF (CH),50V |
| C706 | VCCCCY1HH101J | AA | | | 100 pF (CH),50V |
| C707 | VCCCCY1HH200J | AA | | | 20 pF (CH),50V |
| C708 | VCCCCY1HH200J | AA | | | 20 pF (CH),50V |
| C709 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C710 | RC-EZD107AF1C | AC | | | 100 μ F,16V,Electrolytic |
| C711 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C712 | RC-EZD335AF1H | AB | | | 3.3 μ F,50V,Electrolytic |
| C713 | VCCCCY1HH101J | AA | | | 100 pF (CH),50V |
| C717 | VCKYCY1HB102K | AA | | | 0.001 μ F,50V |
| C718 | VCKYCY1HB222K | AA | | | 0.0022 μ F,50V |
| C719 | VCKYCY1HB102K | AA | | | 0.001 μ F,50V |
| C721 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C722 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C723 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C726 | RC-EZD336AF1C | AB | | | 33 μ F,16V,Electrolytic |
| C727 | RC-EZD107AF1C | AC | | | 100 μ F,16V,Electrolytic |
| C750 | RC-EZD107AF1C | AC | | | 100 μ F,16V,Electrolytic |
| C751 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C801 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C802 | RC-GZA336AF1C | AB | | | 33 μ F,16V,Electrolytic |

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|
| **[9] CAPACITORS** | | | | | |
| C803 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C804 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C805 | RC-GZA477AF1C | AC | | | 470 μ F,16V,Electrolytic |
| C806 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C807 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C808 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C809 | VCKYCY1HB102K | AA | | | 0.001 μ F,50V |
| C810 | RC-GZA474AF1C | AB | | | 0.47 μ F,16V,Electrolytic |
| C811 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C812 | VCKYCY1HB473K | AB | | | 0.047 μ F,50V |
| C813 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C814 | VCKYCY1HB473K | AB | | | 0.047 μ F,50V |
| C815 | VCKYPA1HB563K | AC | | | 0.056 μ F,50V |
| C816 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C817 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C818 | VCKYCY1EB563K | AD | | | 0.056 μ F,25V |
| C819 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C820 | VCKYCY1HB103K | AA | | | 0.01 μ F,50V |
| C821 | VCKYCY1HB472K | AA | | | 0.0047 μ F,50V |
| C822 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C823 | RC-GZA106AF1H | AB | | | 10 μ F,50V,Electrolytic |
| C824 | RC-GZA106AF1H | AB | | | 10 μ F,50V,Electrolytic |
| C825 | RC-GZA105AF1H | AB | | | 1 μ F,50V,Electrolytic |
| C826 | VCKYCY1HB473K | AB | | | 0.047 μ F,50V |
| C827 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C828 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C829 | VCCCCY1HH100J | AA | | | 10 pF (CH),50V |
| C830 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C831 | VCCCCY1HH100J | AA | | | 10 pF (CH),50V |
| C832 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C833 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C834 | RC-GZA105AF1H | AB | | | 1 μ F,50V,Electrolytic |
| C835 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C836 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C837 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C838 | RC-GZA107AF1C | AB | | | 100 μ F,16V,Electrolytic |
| C839 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C840 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C841 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C842 | VCKYPA1HB101K | AA | | | 100 pF,50V |
| C843 | VCKYPA1HB101K | AA | | | 100 pF,50V |
| C845 | VCCCCY1HH101J | AA | | | 100 pF (CH),50V |
| C846 | VCCCCY1HH101J | AA | | | 100 pF (CH),50V |
| C847 | VCKYPA1HB101K | AA | | | 100 pF,50V |
| C848 | RC-GZA477AF1C | AC | | | 470 μ F,16V,Electrolytic |
| C849 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C850 | RC-GZA477AF1C | AC | | | 470 μ F,16V,Electrolytic |
| C851 | VCKYCY1HB104K | AD | | | 0.1 μ F,50V |
| C854 | VCKYCY1HB562K | AA | | | 0.0056 μ F,50V |
| **[10] RESISTORS** | | | | | |
| JP302 | VRS-CY1JB000J | AA | | | 0 ohm,Jumper,0.8x1.55mm,Green |
| JP401 | VRS-CY1JB000J | AA | | | 0 ohm,Jumper,0.8x1.55mm,Green |
| JP503 | VRS-CY1JB000J | AA | | | 0 ohm,Jumper,0.8x1.55mm,Green |
| JP801 | VRS-CY1JB000J | AA | | | 0 ohm,Jumper,0.8x1.55mm,Green |
| JP802 | VRS-CY1JB000J | AA | | | 0 ohm,Jumper,0.8x1.55mm,Green |
| JR303 | VRS-CY1JB000J | AA | | | 0 ohm,Jumper,0.8x1.55mm,Green |
| JR304 | VRS-CY1JB000J | AA | | | 0 ohm,Jumper,0.8x1.55mm,Green |
| R101 | VRD-ST2EE221J | AA | | | 220 ohms,1/4W |
| R102 | VRD-ST2EE221J | AA | | | 220 ohms,1/4W |
| R103 | VRD-ST2CD100J | AA | | | 10 ohm,1/6W |
| R104 | VRD-ST2CD100J | AA | | | 10 ohm,1/6W |
| R106 | VRD-ST2CD100J | AA | | | 10 ohm,1/6W |
| R107 | VRD-ST2CD100J | AA | | | 10 ohm,1/6W |
| R112 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R113 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R115 | VRS-CY1JB122J | AA | | | 1.2 kohms,1/16W |
| R116 | VRS-CY1JB333J | AA | | | 33 kohms,1/16W |
| R117 | VRS-CY1JB333J | AA | | | 33 kohms,1/16W |
| R119 | VRS-CY1JB563J | AA | | | 56 kohms,1/16W |
| R120 | VRS-CY1JB562J | AA | | | 5.6 kohms,1/16W |
| R131 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R132 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R212 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R213 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R214 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R215 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R216 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R217 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R218 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R219 | VRS-CY1JB183J | AA | | | 18 kohms,1/16W |
| R220 | VRS-CY1JB183J | AA | | | 18 kohms,1/16W |
| R221 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R222 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R223 | VRS-CY1JB333J | AA | | | 33 kohms,1/16W |

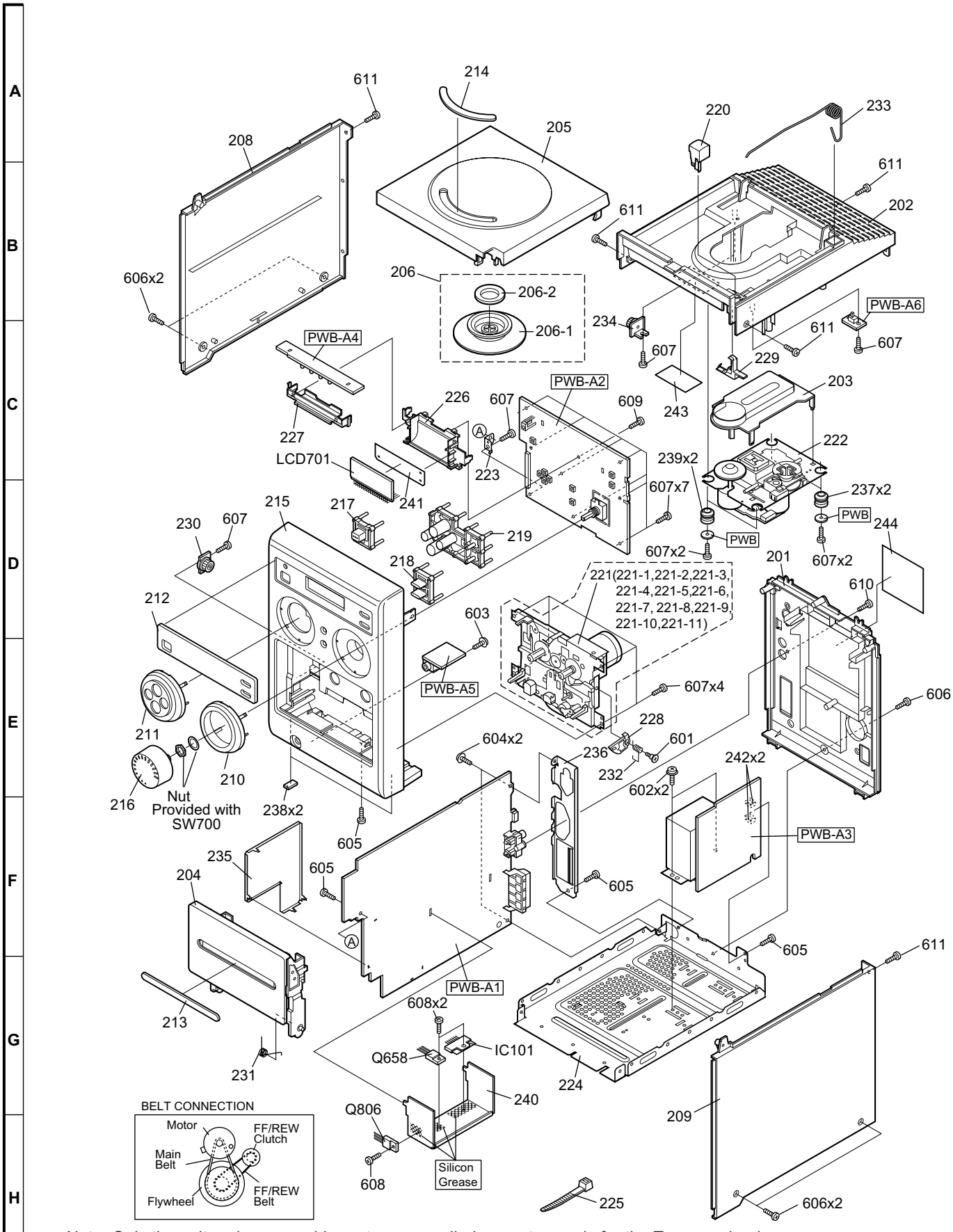
| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|
| **[10] RESISTORS** | | | | | |
| R224 | VRS-CY1JB183J | AA | | | 18 kohms,1/16W |
| R225 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R226 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R227 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R228 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R262 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R265 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R266 | VRD-ST2EE390J | AA | | | 39 ohms,1/4W |
| R267 | VRD-ST2EE4R7J | AA | | | 4.7 ohms,1/4W |
| R271 | VRS-CY1JB472J | AA | | | 4.7 kohms,1/16W |
| R272 | VRS-CY1JB472J | AA | | | 4.7 kohms,1/16W |
| R293 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R294 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R295 | VRS-CY1JB271J | AA | | | 270 ohms,1/16W |
| R296 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R302 | VRD-ST2CD100J | AA | | | 10 ohm,1/6W |
| R303 | VRD-ST2CD104J | AA | | | 100 kohm,1/6W |
| R304 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R305 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R306 | VRS-CY1JB100J | AA | | | 10 ohm,1/16W |
| R307 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R308 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R309 | VRS-CY1JB000J | AA | | | 0 ohm,Jumper,0.8x1.55mm,Green |
| R310 | VRD-ST2CD104J | AA | | | 100 kohm,1/6W |
| R311 | VRD-ST2CD102J | AA | | | 1 kohm,1/6W |
| R312 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R313 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R314 | VRS-CY1JB472J | AA | | | 4.7 kohms,1/16W |
| R315 | VRS-CY1JB472J | AA | | | 4.7 kohms,1/16W |
| R316 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R317 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R318 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R319 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R320 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R321 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R322 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R323 | VRD-ST2CD391J | AA | | | 390 ohms,1/6W |
| R324 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R326 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R327 | VRS-CY1JB221J | AA | | | 220 ohms,1/16W |
| R328 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R329 | VRS-CY1JB331J | AA | | | 330 ohms,1/16W |
| R331 | VRS-CY1JB330J | AA | | | 33 ohms,1/16W |
| R332 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R333 | VRS-CY1JB681J | AA | | | 680 ohms,1/16W |
| R334 | VRS-CY1JB331J | AA | | | 330 ohms,1/16W |
| R336 | VRS-CY1JB101J | AA | | | 100 ohm,1/16W |
| R401 | VRS-CY1JB101J | AA | | | 100 ohm,1/16W |
| R402 | VRS-CY1JB101J | AA | | | 100 ohm,1/16W |
| R403 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R404 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R405 | VRS-CY1JB121J | AA | | | 120 ohms,1/16W |
| R406 | VRS-CY1JB121J | AA | | | 120 ohms,1/16W |
| R407 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R408 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R411 | VRS-CY1JB394J | AA | | | 390 kohms,1/16W |
| R412 | VRS-CY1JB394J | AA | | | 390 kohms,1/16W |
| R415 | VRS-CY1JB182J | AA | | | 1.8 kohms,1/16W |
| R416 | VRS-CY1JB182J | AA | | | 1.8 kohms,1/16W |
| R417 | VRS-CY1JB182J | AA | | | 1.8 kohms,1/16W |
| R418 | VRS-CY1JB182J | AA | | | 1.8 kohms,1/16W |
| R427 | VRD-ST2CD332J | AA | | | 3.3 kohms,1/6W |
| R428 | VRD-ST2CD332J | AA | | | 3.3 kohms,1/6W |
| R429 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R430 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R433 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R434 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R439 | VRS-CY1JB272J | AA | | | 2.7 kohms,1/16W |
| R440 | VRS-CY1JB153J | AA | | | 15 kohms,1/16W |
| R441 | VRS-CY1JB153J | AA | | | 15 kohms,1/16W |
| R442 | VRS-CY1JB272J | AA | | | 2.7 kohms,1/16W |
| R443 | VRS-CY1JB182J | AA | | | 1.8 kohms,1/16W |
| R444 | VRS-CY1JB182J | AA | | | 1.8 kohms,1/16W |
| R445 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R446 | VRD-ST2CD102J | AA | | | 1 kohm,1/6W |
| R447 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R448 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R455 | VRS-CY1JB182J | AA | | | 1.8 kohms,1/16W |
| R456 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R457 | VRS-CY1JB334J | AA | | | 330 kohms,1/16W |
| R458 | VRS-CY1JB334J | AA | | | 330 kohms,1/16W |
| R459 | VRS-CY1JB223J | AA | | | 22 kohms,1/16W |
| R460 | VRS-CY1JB223J | AA | | | 22 kohms,1/16W |
| R465 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R466 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|
| **[10] RESISTORS** | | | | | |
| R467 | VRS-CY1JB472J | AA | | | 4.7 kohms,1/16W |
| R468 | VRS-CY1JB472J | AA | | | 4.7 kohms,1/16W |
| R469 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R470 | VRS-CY1JB333J | AA | | | 33 kohms,1/16W |
| R471 | VRS-CY1JB303J | AA | | | 30 kohms,1/16W |
| R472 | VRS-CY1JB303J | AA | | | 30 kohms,1/16W |
| R473 | VRS-CY1JB122J | AA | | | 1.2 kohms,1/16W |
| R474 | VRS-CY1JB122J | AA | | | 1.2 kohms,1/16W |
| R546 | VRD-ST2EE121J | AA | | | 120 ohms,1/4W |
| R551 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R552 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R553 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R558 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R559 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R603 | VRS-CY1JB333J | AA | | | 33 kohms,1/16W |
| R606 | VRS-CY1JB561J | AA | | | 560 ohms,1/16W |
| R656 | VRS-CY1JB472J | AA | | | 4.7 kohms,1/16W |
| R657 | VRD-ST2EE102J | AA | | | 1 kohm,1/4W |
| R658 | VRS-CY1JB472J | AA | | | 4.7 kohms,1/16W |
| R663 | VRS-CY1JB123J | AA | | | 12 kohms,1/16W |
| R664 | VRS-CY1JB123J | AA | | | 12 kohms,1/16W |
| R665 | VRD-ST2CD273J | AA | | | 27 kohms,1/6W |
| R666 | VRS-CY1JB123J | AA | | | 12 kohms,1/16W |
| R667 | VRD-ST2CD272J | AA | | | 2.7 kohms,1/6W |
| R671 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R672 | VRD-ST2CD821J | AA | | | 820 ohms,1/6W |
| R702 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R704 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R705 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R706 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R707 | VRD-ST2CD332J | AA | | | 3.3 kohms,1/6W |
| R709 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R710 | VRD-ST2CD101J | AA | | | 100 ohm,1/6W |
| R712 | VRD-ST2CD333J | AA | | | 33 kohms,1/6W |
| R713 | VRD-ST2CD473J | AA | | | 47 kohms,1/6W |
| R714 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R715 | VRS-CY1JB473J | AA | | | 47 kohms,1/16W |
| R721 | VRS-CY1JB394J | AA | | | 390 kohms,1/16W |
| R722 | VRD-ST2CD101J | AA | | | 100 ohm,1/6W |
| R723 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R724 | VRS-CY1JB562J | AA | | | 5.6 kohms,1/16W |
| R725 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R726 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R727 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R728 | VRD-ST2CD102J | AA | | | 1 kohm,1/6W |
| R729 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R730 | VRS-CY1JB122J | AA | | | 1.2 kohms,1/16W |
| R731 | VRS-CY1JB333J | AA | | | 33 kohms,1/16W |
| R732 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R733 | VRD-ST2CD102J | AA | | | 1 kohm,1/6W |
| R734 | VRD-ST2CD223J | AA | | | 22 kohms,1/6W |
| R735 | VRS-CY1JB154J | AA | | | 150 kohms,1/16W |
| R736 | VRS-CY1JB334J | AA | | | 330 kohms,1/16W |
| R741 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R742 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R743 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R744 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R745 | VRD-ST2CD102J | AA | | | 1 kohm,1/6W |
| R746 | VRD-ST2CD102J | AA | | | 1 kohm,1/6W |
| R747 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R748 | VRS-CY1JB101J | AA | | | 100 ohm,1/16W |
| R749 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R750 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R751 | VRD-ST2CD102J | AA | | | 1 kohm,1/6W |
| R752 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R753 | VRD-ST2CD332J | AA | | | 3.3 kohms,1/6W |
| R754 | VRD-ST2CD332J | AA | | | 3.3 kohms,1/6W |
| R755 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R756 | VRS-CY1JB222J | AA | | | 2.2 kohms,1/16W |
| R757 | VRS-CY1JB470J | AA | | | 47 ohms,1/16W |
| R758 | VRS-CY1JB470J | AA | | | 47 ohms,1/16W |
| R761 | VRD-ST2CD101J | AA | | | 100 ohm,1/6W |
| R762 | VRS-CY1JB223J | AA | | | 22 kohms,1/16W |
| R763 | VRS-CY1JB392J | AA | | | 3.9 kohms,1/16W |
| R764 | VRD-ST2CD223J | AA | | | 22 kohms,1/6W |
| R765 | VRD-ST2CD392J | AA | | | 3.9 kohms,1/6W |
| R766 | VRD-ST2CD682J | AA | | | 6.8 kohms,1/6W |
| R767 | VRD-ST2CD123J | AA | | | 12 kohms,1/6W |
| R768 | VRD-ST2CD223J | AA | | | 22 kohms,1/6W |
| R769 | VRD-ST2CD823J | AA | | | 82 kohms,1/6W |
| R770 | VRD-ST2CD103J | AA | | | 10 kohm,1/6W |
| R771 | VRD-ST2CD103J | AA | | | 10 kohm,1/6W |
| R772 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R773 | VRS-CY1JB102J | AA | | | 1 kohm,1/16W |
| R774 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|
| **[10] RESISTORS** | | | | | |
| R775 | VRS-CY1JB471J | AA | | | 470 ohms,1/16W |
| R776 | VRS-CY1JB470J | AA | | | 47 ohms,1/16W |
| R783 | VRS-CY1JB471J | AA | | | 470 ohms,1/16W |
| R791 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R799 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R801 | VRS-CY1JB000J | AA | | | 0 ohm,Jumper,0.8x1.55mm,Green |
| R802 | VRD-ST2CD822J | AA | | | 8.2 kohms,1/6W |
| R803 | VRS-CY1JB822J | AA | | | 8.2 kohms,1/16W |
| R804 | VRS-CY1JB331J | AA | | | 330 ohms,1/16W |
| R805 | VRS-CY1JB3R3J | AA | | | 3.3 ohms,1/16W |
| R806 | VRD-ST2CD471J | AA | | | 470 ohms,1/6W |
| R807 | VRS-CY1JB101J | AA | | | 100 ohm,1/16W |
| R810 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R811 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R812 | VRS-CY1JB393J | AA | | | 39 kohms,1/16W |
| R813 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R814 | VRD-ST2CD391J | AA | | | 390 ohms,1/6W |
| R815 | VRD-ST2CD123J | AA | | | 12 kohms,1/6W |
| R816 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| R817 | VRS-CY1JB225J | AA | | | 2.2 Mohms,1/16W |
| R819 | VRS-CY1JB331J | AA | | | 330 ohms,1/16W |
| R820 | VRD-ST2CD1R0J | AA | | | 1 ohm,1/6W |
| R823 | VRD-ST2CD243J | AA | | | 24 kohms,1/6W |
| R824 | VRS-CY1JB243J | AA | | | 24 kohms,1/16W |
| R825 | VRS-CY1JB681J | AA | | | 680 ohms,1/16W |
| R826 | VRS-CY1JB681J | AA | | | 680 ohms,1/16W |
| R827 | VRS-CY1JB683J | AA | | | 68 kohms,1/16W |
| R828 | VRS-CY1JB153J | AA | | | 15 kohms,1/16W |
| R829 | VRD-ST2CD682J | AA | | | 6.8 kohms,1/6W |
| R830 | VRS-CY1JB820J | AA | | | 82 ohms,1/16W |
| R831 | VRS-CY1JB104J | AA | | | 100 kohm,1/16W |
| R832 | VRS-CY1JB820J | AA | | | 82 ohms,1/16W |
| R833 | VRD-ST2CD1R0J | AA | | | 1 ohm,1/6W |
| R834 | VRS-CY1JB203J | AA | | | 20 kohms,1/16W |
| R835 | VRS-CY1JB151J | AA | | | 150 ohms,1/16W |
| R837 | VRS-CY1JB332J | AA | | | 3.3 kohms,1/16W |
| R840 | VRD-ST2CD820J | AA | | | 82 ohms,1/6W |
| R841 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R842 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R844 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R845 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R851 | VRS-CY1JB682J | AA | | | 6.8 kohms,1/16W |
| R853 | VRS-CY1JB103J | AA | | | 10 kohm,1/16W |
| **[11] OTHER CIRCUITRY PARTS** | | | | | |
| CFW106 | QCNWNA306SJZZ | | | | Lead Wire |
| CFW701 | QCNWNA277SJZZ | | | | Flat Wire,2Pin (A-B) |
| CNP105 | QCNCM999EAFZZ | AG | | | Plug,5Pin |
| CNP202 | QCNCM999GAFZZ | AD | | | Plug,7Pin |
| CNP301 | QCNCM052CSJZZ | AB | | | Plug,3Pin |
| CNP602 | QCNCM062ESJZZ | | | | Plug,5Pin |
| CNP701 | QCNCW010VAWZZ | AE | | | Plug,20Pin |
| CNP703 | QCNCM932BAFZZ | AA | | | Plug,2Pin |
| CNP704 | QCNCMA042SJ06 | | | | Plug,6Pin |
| CNP801 | QCNCWA031SJ16 | AD | | | Socket,16Pin |
| CNS701 | QCNCM010VAWZZ | AD | | | Plug,20Pin |
| CNW105 | QCNWNA281SJZZ | | | | Connector Ass'y,5-5Pin with CNS105 |
| CNW201 | QCNWNA282SJZZ | | | | Connector Ass'y,7-7Pin with CNS201 |
| CNW202 | QCNWNA283SJZZ | | | | Connector Ass'y,7Pin |
| CNW602 | QCNWNA279SJZZ | | | | Connector Ass'y,6-5Pin with CNS602 |
| CNW703 | QCNWNA278SJZZ | | | | Connector Ass'y,2-2Pin with CNS703 |
| CNW704 | QCNWNA276SJZZ | | | | Connector Ass'y,6-6Pin with CNS704 |
| CNW802 | QCNWNA280SJZZ | | | | Connector Ass'y,7-6Pin with CNS802 |
| ⚠ F101 | QFS-D201CAWNi | AD | | | Fuse,T200mA L 250V |
| FC801 | QCNWNA312SJZZ | | | | Flat Cable,16Pin |
| JK101 | QJAKM0001SJZZ | AG | | | Jack,Headphone |
| LCD701 | RV-LXA007SJZZ | | | | FL Display |
| M901 | 9GD192112347 | AX | | | Motor with Pulley [Tape] (221-9) |
| RX701 | VHLGP1U281X-1 | AH | | | Remote Sensor,GP1U281X |
| SO401 | QSOCJ0003SJZZ | AG | | | Socket,Video/AUX Input |
| SO601 | QTANA0008SJZZ | AE | | | Terminal,Speakers |
| ⚠ SO651 | QSOCA0212AWZZ | AD | | | Socket AC Input |
| SOL901 | 9GD19212118 | AP | | | Solenoid Ass'y (221-4) |
| SW700 | QSW-Z0003SJZZ | AG | | | Switch,Rotary Type [VOLUME] |
| SW701 | QSW-K0002SJZZ | AC | | | Switch,Key Type [ON/STAND-BY] |
| SW702 | QSW-K0002SJZZ | AC | | | Switch,Key Type [STOP/TUNNG DOWN] |
| SW703 | QSW-K0002SJZZ | AC | | | Switch,Key Type [REW/PRESET DOWN] |
| SW704 | QSW-K0002SJZZ | AC | | | Switch,Key Type [PLAY/CD PAUSE/TUNING UP] |
| SW705 | QSW-K0002SJZZ | AC | | | Switch,Key Type [MEMORY SET] |
| SW706 | QSW-K0002SJZZ | AC | | | Switch,Key Type [FUNCTION] |
| SW707 | QSW-K0002SJZZ | AC | | | Switch,Key Type [REC/PAUSE] |
| SW708 | QSW-K0002SJZZ | AC | | | Switch,Key Type [BASS/TREBLE] |
| SW709 | QSW-K0002SJZZ | AC | | | Switch,Key Type [FF/PRESET UP] |
| SW710 | QSW-P0004AWZZ | AE | | | Switch,Push Type [DISC EJECT] |
| SW901 | 9GD640101210 | AE | | | Switch,Leaf Type [Fool Proof] (221-7) |

| NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|
| **[11] OTHER CIRCUITRY PARTS** | | | | | |
| SW902 | 9GD640101210 | AE | | | Switch,Leaf Type [Play] (221-8) |

## [12] CABINET PARTS




Note: Only the unit and consumable parts are supplied as parts supply for the Tape mechanism.

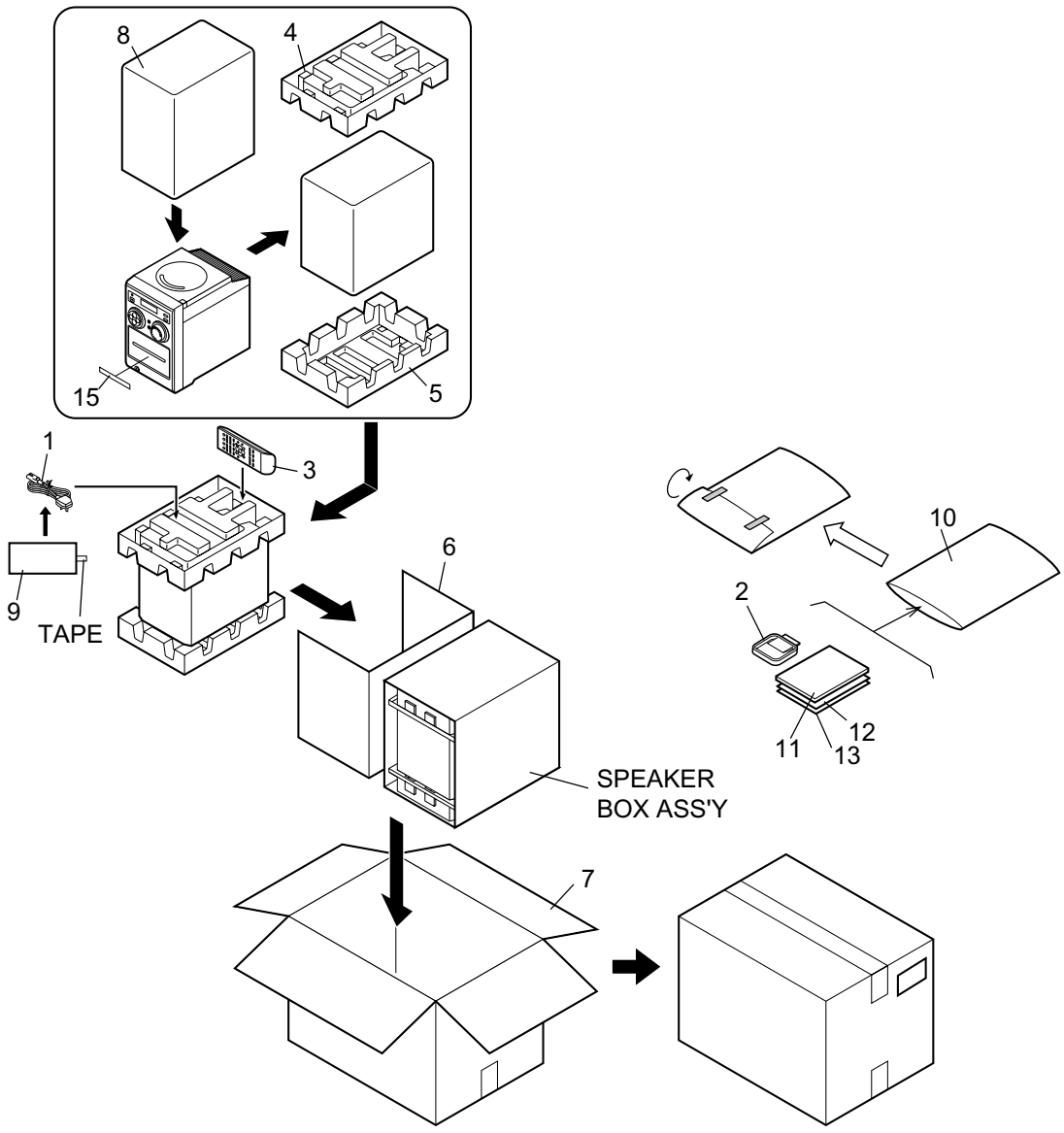
| | NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|---|
| | **[12] CABINET PARTS** | | | | | |
| | 201 | GCABBA022SJSA | | | | Rear Panel |
| | 202 | GCABCA022SJSA | | | | Top Cabinet |
| | 203 | GCOVA1038SJSA | AD | | | Cover,Mechanism |
| | 204 | GCOVAA032SJSA | | | | Cassette Holder |
| | 205 | GCOVAA033SJSA | | | | CD Lid |
| | 206 | CHLDM0011SJ01 | | | | Stabilizer Ass'y |
| | 206- 1 | -------- | | | | Stabilizer |
| | 206- 2 | PMAGF0002AWZZ | AE | | | Magnet |
| | 208 | GiTASA011SJSA | | | | Side Panel,Left |
| | 209 | GiTASA012SJSA | | | | Side Panel,Right |
| | 210 | HDECQA087SJSA | | | | Jog Decorate Ring |
| | 211 | HDECQA088SJSA | | | | Knob Decorate Ring |
| | 212 | HDECQA089SJSA | | | | LCD Window |
| | 213 | HDECQA090SJSA | | | | Cassette Holder Window |
| | 214 | HDECQA091SJSA | | | | CD Lid Window |
| | 215 | HPNLCA008SJSA | | | | Front Panel |
| | 216 | JKNBKA009SJSA | | | | Knob,VOLUME |
| | 217 | JKNBZA050SJSA | | | | Botton,POWER |
| | 218 | JKNBZA051SJSA | | | | Botton,FUNCTION |
| | 219 | JKNBZA052SJSA | | | | Botton,CONTROL |
| | 220 | JKNBZA060SJSA | | | | Button,CD Eject |
| | 221 | KMECBA002SJZZ | AY | | | Tape Mechanism Ass'y |
| | 221- 1 | 94R19210703 | AE | | | Belt,FF/REW |
| | 221- 2 | 9GD19210943 | AG | | | Belt,Main |
| | 221- 3 | 94R192104310 | AL | | | Pinch Roller Arm Ass'y |
| | 221- 4 | 9GD19212118 | AP | | | Solenoid Ass'y (SOL901) |
| | 221- 5 | 9GD62161401 | AN | | | Head,Erase |
| | 221- 6 | 9GD62070122 | AK | | | Head,Record/Playback |
| | 221- 7 | 9GD640101210 | AE | | | Switch,Leaf Type [Fool Proof] (SW901) |
| | 221- 8 | 9GD640101210 | AE | | | Switch,Leaf Type [Play] (SW902) |
| | 221- 9 | 9GD60990201 | AP | | | Motor with Pulley [Tape] (M901) |
| | 221-10 | 9GD192121303 | AZ | | | Tape Mechanism PWB Ass'y |
| | 221-11 | 9GD192121306 | AP | | | Tape Mechanism PWB Ass'y |
| ⚠ | 222 | KRPLE0022SJM2 | BC | | | CD Mechanism Ass'y |
| | 223 | LANGKA075SJFW | | | | Bracket,PWB |
| | 224 | LCHSMA011SJFW | | | | Main Chassis |
| | 225 | LHLDW1001SJZZ | AD | | | Nylon Band |
| | 226 | LHLDZA070SJSA | | | | Holder,LCD |
| | 227 | LHLDZA071SJSA | | | | Holder,LED |
| | 228 | MLEVP0002SJSA | AC | | | Lock Lever,Cassette |
| | 229 | MLEVP0003SJZZ | AB | | | Lever,CD Eject Button |
| | 230 | MLiFP0007AWZZ | AC | | | Damper |
| | 231 | MSPRD0006SJFJ | AC | | | Spring,Cassette Holder |
| | 232 | MSPRD0008SJFJ | AB | | | Spring,Cassette Lock Lever |
| | 233 | MSPRDA017SJFJ | | | | Spring,CD Lid |
| | 234 | NGERH0003SJSA | AE | | | Damper Gear Ass'y |
| | 235 | PCOVSA014SJFW | | | | Cover,PWB Shield |
| | 236 | PCOVSA015SJFW | | | | Bracket,PWB |
| | 237 | PCUSG0001AWSA | AD | | | Cushion (GREEN) |
| | 238 | PCUSG0003SJZZ | AC | | | Cushion,Leg |
| | 239 | PCUSG0004AWSA | AD | | | Cushion (BROWN) |
| | 240 | PRDARA032SJFW | | | | Heat Sink |
| | 241 | PSHEPA007SJZZ | AC | | | Sheet,LCD Display |
| ⚠ | 242 | QFSHD1013CEZZ | AB | | | Holder,Fuse |
| | 243 | TLABS0042SJZZ | AB | | | Label,Laser |
| | 244 | TSPC-A088SJZZ | | | | Label,Specification [Except for U.K.] |
| | 244 | TSPC-A113SJZZ | | | | Label,Specification [For U.K.] |
| | 601 | LX-BZA003SJFN | | | | Screw,M2.5X10mm |
| | 602 | LX-HZA005SJFN | | | | Screw,M3X8mm |
| | 603 | LX-JZA001SJFN | AB | | | Screw,M2.5X10mm |
| | 604 | LX-JZA011SJFN | AB | | | Screw,M3X12mm |
| | 605 | XHBSN30P06000 | AA | | | Screw,M3X6mm |
| | 606 | XHBY930P06000 | | | | Screw,M3X6mm |
| | 607 | XJBSN25P10000 | AA | | | Screw,M2.5X10mm |
| | 608 | XJBSN30P08000 | AA | | | Screw,M3X8mm |
| | 609 | XJBY925P08000 | AA | | | Screw,M2.5X8mm |
| | 610 | XJBY930P10000 | AA | | | Screw,M3X10mm |
| | 611 | XJBY930P12000 | AA | | | Screw,M3X12mm |
| | **[13] SPEAKER BOX PARTS** | | | | | |
| | | B3CPXLMP40H | | | | Speaker Box Ass'y,L-CH/R-CH |

## [14] ACCESSORIES/PACKING PARTS

# PACKING METHOD (FOR U.K. ONLY)

| Setting position of switches and knobs | |
|---|---|
| Tape Mechanism | STOP |
| Cassette Holder | CLOSE |
| CD Lid | CLOSE |

| | | | |
|---|---|---|---|
| 1. AC Power Supply Cord | QACCB0005SJ00 | 11. Register Card | TCADN0003SJZZ |
| 2. AM/FM Loop Antenna | QANTL0009SJZZ | 12. Operation Manual | TINSEA052SJZZ |
| 3. Remote Control | RRMCGA024SJSA | 13. Quick Guide | TINSEA053SJZZ |
| 4. Packing Add.,Top | SPAKA0130SJZZ | 15. Label,Pop | TLABZA062SJZZ |
| 5. Packing Add.,Bottom | SPAKA0131SJZZ | | |
| 6. Side Pad,Set | SPAKA0132SJZZ | | |
| 7. Packing Case | SPAKCA117SJZZ | | |
| 8. Polyethylene Bag,Set | SPAKP0042SJZZ | | |
| 9. Sheet,AC Cord | SPAKP0043SJZZ | | |
| 10. Polyethylene Bag,Accessories | SSAKA0002SJZZ | | |



| | NO. | PARTS CODE | PRICE RANK | NEW MARK | PART RANK | DESCRIPTION |
|---|---|---|---|---|---|---|
| | **[14] ACCESSORIES/PACKING PARTS** | | | | | |
| △ | 1 | QACCB0005SJ00 | AT | | | AC Power Supply Cord [For U.K.] |
| △ | 1 | QACCE0002SJZZ | AH | | | AC Power Supply Cord [Except for U.K.] |
| | 2 | QANTL0009SJZZ | AG | | | AM/FM Loop Antenna |
| | 3 | RRMCGA024SJSA | | | | Remote Control |
| | 3-1 | GCOVA1028SJSA | AC | | | Battery Lid,Remote Control |
| | 4 | SPAKA0130SJZZ | AE | | | Packing Add.,Top |
| | 5 | SPAKA0131SJZZ | AE | | | Packing Add.,Bottom |
| | 6 | SPAKA0132SJZZ | AE | | | Side Pad,Set |
| | 7 | SPAKCA117SJZZ | | | | Packing Case [For U.K.] |
| | 7 | SPAKCA152SJZZ | | | | Packing Case [Except for U.K.] |
| | 8 | SPAKP0042SJZZ | AC | | | Polyethylene Bag,Set |
| | 9 | SPAKP0043SJZZ | AB | | | Sheet,AC Cord |
| | 10 | SSAKA0002SJZZ | AE | | | Polyethylene Bag,Accessories |
| | 11 | TCADN0003SJZZ | AD | | | Register Card [For U.K. Only] |
| | 12 | TiNSEA052SJZZ | | | | Operation Manual [For U.K.] |
| | 12 | TiNSZA040SJZZ | AW | | | Operation Manual [Except for U.K.] |
| | 13 | TiNSEA053SJZZ | | | | Quick Guide [For U.K. Only] |
| | 14 | TLABZ0067SJZZ | AB | | | Label,Energy [Except for U.K.] |
| | 15 | TLABZA062SJZZ | | | | Label,Pop |
| | 16 | -------- | | | | Battery (Not Replacement Item) [Except for U.K.] |
| | **[15] P.W.B. ASSEMBLY (Not Replacement Item)** | | | | | |
| △ | PWB-A | DCEKKV512SJ03 | | | | Main/Power/etc. (A1-A6) |
| | **[16] OTHER SERVICE PARTS** | | | | | |
| | | UDSKA0004AFZZ | AZ | | | CD Optical Pickup Lens Cleaner Disc |

# ■INDEX

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|---|---|---|---|---|
| 【 B 】 | | | | |
| B3CPXLMP40H | 13- | | | |
| 【 C 】 | | | | |
| CHLDM0011SJ01 | 12-206 | | | |
| 【 D 】 | | | | |
| DCEKKV512SJ03 | 15-PWB-A | | | |
| 【 G 】 | | | | |
| GCABBA022SJSA | 12-201 | | | |
| GCABCA022SJSA | 12-202 | | | |
| GCOVA1028SJSA | 14-3-1 | AC | | |
| GCOVA1038SJSA | 12-203 | AD | | |
| GCOVAA032SJSA | 12-204 | | | |
| GCOVAA033SJSA | 12-205 | | | |
| GiTASA011SJSA | 12-208 | | | |
| GiTASA012SJSA | 12-209 | | | |
| 【 H 】 | | | | |
| HDECQA087SJSA | 12-210 | | | |
| HDECQA088SJSA | 12-211 | | | |
| HDECQA089SJSA | 12-212 | | | |
| HDECQA090SJSA | 12-213 | | | |
| HDECQA091SJSA | 12-214 | | | |
| HPNLCA008SJSA | 12-215 | | | |
| 【 J 】 | | | | |
| JKNBKA009SJSA | 12-216 | | | |
| JKNBZA050SJSA | 12-217 | | | |
| JKNBZA051SJSA | 12-218 | | | |
| JKNBZA052SJSA | 12-219 | | | |
| JKNBZA060SJSA | 12-220 | | | |
| 【 K 】 | | | | |
| KMECBA002SJZZ | 12-221 | AY | | |
| KRPLE0022SJM2 | 12-222 | BC | | |
| 【 L 】 | | | | |
| LANGKA075SJFW | 12-223 | | | |
| LCHSMA011SJFW | 12-224 | | | |
| LHLDW1001SJZZ | 12-225 | AD | | |
| LHLDZA070SJSA | 12-226 | | | |
| LHLDZA071SJSA | 12-227 | | | |
| LX-BZA003SJFN | 12-601 | | | |
| LX-HZA005SJFN | 12-602 | | | |
| LX-JZA001SJFN | 12-603 | AB | | |
| LX-JZA011SJFN | 12-604 | AB | | |
| 【 M 】 | | | | |
| MLEVP0002SJSA | 12-228 | AC | | |
| MLEVP0003SJZZ | 12-229 | AB | | |
| MLiFP0007AWZZ | 12-230 | AC | | |
| MSPRD0006SJFJ | 12-231 | AC | | |
| MSPRD0008SJFJ | 12-232 | AB | | |
| MSPRDA017SJFJ | 12-233 | | | |
| 【 N 】 | | | | |
| NGERH0003SJSA | 12-234 | AE | | |
| 【 P 】 | | | | |
| PCOVSA014SJFW | 12-235 | | | |
| PCOVSA015SJFW | 12-236 | | | |
| PCUSG0001AWSA | 12-237 | AD | | |
| PCUSG0003SJZZ | 12-238 | AC | | |
| PCUSG0004AWSA | 12-239 | AD | | |
| PMAGF0002AWZZ | 12-206- 2 | AE | | |
| PRDARA032SJFW | 12-240 | | | |
| PSHEPA007SJZZ | 12-241 | AC | | |
| 【 Q 】 | | | | |
| QACCB0005SJ00 | 14-1 | AT | | |
| QACCE0002SJZZ | 14-1 | AH | | |
| QANTL0009SJZZ | 14-2 | AG | | |
| QCNCM010VAWZZ | 11-CNS701 | AD | | |
| QCNCM052CSJZZ | 11-CNP301 | AB | | |
| QCNCM062ESJZZ | 11-CNP602 | | | |
| QCNCM932BAFZZ | 11-CNP703 | AA | | |
| QCNCM999EAFZZ | 11-CNP105 | AG | | |
| QCNCM999GAFZZ | 11-CNP202 | AD | | |
| QCNCMA042SJ06 | 11-CNP704 | | | |
| QCNCW010VAWZZ | 11-CNP701 | AE | | |
| QCNCWA031SJ16 | 11-CNP801 | AD | | |
| QCNWNA276SJZZ | 11-CNW704 | | | |
| QCNWNA277SJZZ | 11-CFW701 | | | |
| QCNWNA278SJZZ | 11-CNW703 | | | |
| QCNWNA279SJZZ | 11-CNW602 | | | |
| QCNWNA280SJZZ | 11-CNW802 | | | |
| QCNWNA281SJZZ | 11-CNW105 | | | |
| QCNWNA282SJZZ | 11-CNW201 | | | |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|---|---|---|---|---|
| QCNWNA283SJZZ | 11-CNW202 | | | |
| QCNWNA306SJZZ | 11-CFW106 | | | |
| QCNWNA312SJZZ | 11-FC801 | | | |
| QFS-D201CAWNi | 11-F101 | AD | | |
| QFSHD1013CEZZ | 12-242 | AB | | |
| QJAKM0001SJZZ | 11-JK101 | AG | | |
| QSOCA0212AWZZ | 11-SO651 | AD | | |
| QSOCJ0003SJZZ | 11-SO401 | AG | | |
| QSW-K0002SJZZ | 11-SW701 | AC | | |
| 〃 | 11-SW702 | AC | | |
| 〃 | 11-SW703 | AC | | |
| 〃 | 11-SW704 | AC | | |
| 〃 | 11-SW705 | AC | | |
| 〃 | 11-SW706 | AC | | |
| 〃 | 11-SW707 | AC | | |
| 〃 | 11-SW708 | AC | | |
| 〃 | 11-SW709 | AC | | |
| QSW-P0004AWZZ | 11-SW710 | AE | | |
| QSW-Z0003SJZZ | 11-SW700 | AG | | |
| QTANA0008SJZZ | 11-SO601 | AE | | |
| 【 R 】 | | | | |
| RBLN-A003SJZZ | 6-L805 | AB | | |
| 〃 | 6-L806 | AB | | |
| RC-EZD107AF1C | 9-C710 | AC | | |
| 〃 | 9-C727 | AC | | |
| 〃 | 9-C750 | AC | | |
| RC-EZD335AF1H | 9-C712 | AB | | |
| RC-EZD336AF1C | 9-C726 | AB | | |
| RC-GZA105AF1H | 9-C123 | AB | | |
| 〃 | 9-C125 | AB | | |
| 〃 | 9-C302 | AB | | |
| 〃 | 9-C319 | AB | | |
| 〃 | 9-C322 | AB | | |
| 〃 | 9-C323 | AB | | |
| 〃 | 9-C324 | AB | | |
| 〃 | 9-C328 | AB | | |
| 〃 | 9-C825 | AB | | |
| 〃 | 9-C834 | AB | | |
| RC-GZA106AF1H | 9-C409 | AB | | |
| 〃 | 9-C410 | AB | | |
| 〃 | 9-C464 | AB | | |
| 〃 | 9-C465 | AB | | |
| 〃 | 9-C613 | AB | | |
| 〃 | 9-C823 | AB | | |
| 〃 | 9-C824 | AB | | |
| RC-GZA107AF1C | 9-C119 | AB | | |
| 〃 | 9-C405 | AB | | |
| 〃 | 9-C406 | AB | | |
| 〃 | 9-C462 | AB | | |
| 〃 | 9-C617 | AB | | |
| 〃 | 9-C660 | AB | | |
| 〃 | 9-C671 | AB | | |
| 〃 | 9-C674 | AB | | |
| 〃 | 9-C682 | AB | | |
| 〃 | 9-C683 | AB | | |
| 〃 | 9-C807 | AB | | |
| 〃 | 9-C816 | AB | | |
| 〃 | 9-C822 | AB | | |
| 〃 | 9-C836 | AB | | |
| 〃 | 9-C837 | AB | | |
| 〃 | 9-C838 | AB | | |
| RC-GZA107AF1E | 9-C679 | AB | | |
| RC-GZA224AF1C | 9-C470 | AB | | |
| 〃 | 9-C471 | AB | | |
| RC-GZA224AF1H | 9-C415 | AA | | |
| 〃 | 9-C416 | AA | | |
| 〃 | 9-C417 | AA | | |
| 〃 | 9-C418 | AA | | |
| RC-GZA226AF1H | 9-C117 | AB | | |
| 〃 | 9-C315 | AB | | |
| 〃 | 9-C325 | AB | | |
| 〃 | 9-C330 | AB | | |
| 〃 | 9-C335 | AB | | |
| RC-GZA334AF1H | 9-C321 | AA | | |
| RC-GZA335AF1H | 9-C252 | AB | | |
| RC-GZA336AF1C | 9-C802 | AB | | |
| RC-GZA474AF1C | 9-C810 | AB | | |
| RC-GZA475AF1E | 9-C135 | AB | | |
| RC-GZA475AF1H | 9-C121 | AB | | |
| 〃 | 9-C333 | AB | | |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|---|---|---|---|---|
| RC-GZA476AF1H | 9-C248 | AB | | |
| 〃 | 9-C346 | AB | | |
| 〃 | 9-C370 | AB | | |
| RC-GZA477AF1C | 9-C437 | AC | | |
| 〃 | 9-C441 | AC | | |
| 〃 | 9-C805 | AC | | |
| 〃 | 9-C848 | AC | | |
| 〃 | 9-C850 | AC | | |
| RC-GZV108AF1C | 9-C116 | AD | | |
| 〃 | 9-C656 | AD | | |
| 〃 | 9-C657 | AD | | |
| RC-GZV108AF1E | 9-C115 | AD | | |
| RC-GZV477AF1E | 9-C110 | AC | | |
| RC-GZW478AF1E | 9-C118 | AG | | |
| RCiLAA002SJZZ | 6-L302 | AC | | |
| RCiLBA004SJZZ | 6-L307 | AD | | |
| RCiLBA006SJZZ | 6-L306 | AC | | |
| RCiLiA001SJZZ | 6-L305 | AC | | |
| RCiLRA001SJZZ | 6-L304 | AA | | |
| RCiLZA001SJZZ | 6-L102 | AC | | |
| 〃 | 6-L103 | AC | | |
| RCiLZA004SJZZ | 6-LF651 | AD | | |
| RCRM-0008SJZZ | 7-X701 | AG | | |
| RCRSP0002SJZZ | 7-X801 | AL | | |
| RCRSP0007SJZZ | 7-X702 | AE | | |
| RCRSPA006SJZZ | 7-X301 | AF | | |
| RFiLA0003SJZZ | 4-CF304 | AF | | |
| RFiLF0003AWZZ | 4-CF302 | AK | | |
| RFiLFA001SJZZ | 4-CF301 | AE | | |
| 〃 | 4-CF303 | AE | | |
| RFiLRA001SJZZ | 4-BF301 | AD | | |
| RH-iXA044SJZZ | 1-iC701 | | | |
| RH-QX1067AFZZ | 8-RP601 | AE | | |
| 〃 | 8-RP602 | AE | | |
| RRMCGA024SJSA | 14-3 | | | |
| RTRNPA035SJZZ | 5-T601 | | | |
| RV-LXA007SJZZ | 11-LCD701 | | | |
| 【 S 】 | | | | |
| SPAKA0130SJZZ | 14-4 | AE | | |
| SPAKA0131SJZZ | 14-5 | AE | | |
| SPAKA0132SJZZ | 14-6 | AE | | |
| SPAKCA117SJZZ | 14-7 | | | |
| SPAKCA152SJZZ | 14-7 | | | |
| SPAKP0042SJZZ | 14-8 | AC | | |
| SPAKP0043SJZZ | 14-9 | AB | | |
| SSAKA0002SJZZ | 14-10 | AE | | |
| 【 T 】 | | | | |
| TCADN0003SJZZ | 14-11 | AD | | |
| TiNSEA052SJZZ | 14-12 | | | |
| TiNSEA053SJZZ | 14-13 | | | |
| TiNSZA040SJZZ | 14-12 | AW | | |
| TLABS0042SJZZ | 12-243 | AB | | |
| TLABZ0067SJZZ | 14-14 | AB | | |
| TLABZA062SJZZ | 14-15 | | | |
| TSPC-A088SJZZ | 12-244 | | | |
| TSPC-A113SJZZ | 12-244 | | | |
| 【 U 】 | | | | |
| UDSKA0004AFZZ | 16- | AZ | | |
| 【 V 】 | | | | |
| VCCCCY1HH100J | 9-C341 | AA | | |
| 〃 | 9-C342 | AA | | |
| 〃 | 9-C438 | AA | | |
| 〃 | 9-C829 | AA | | |
| 〃 | 9-C831 | AA | | |
| VCCCCY1HH101J | 9-C320 | AA | | |
| 〃 | 9-C334 | AA | | |
| 〃 | 9-C336 | AA | | |
| 〃 | 9-C337 | AA | | |
| 〃 | 9-C704 | AA | | |
| 〃 | 9-C706 | AA | | |
| 〃 | 9-C713 | AA | | |
| 〃 | 9-C845 | AA | | |
| 〃 | 9-C846 | AA | | |
| VCCCCY1HH200J | 9-C707 | AA | | |
| 〃 | 9-C708 | AA | | |
| VCCCCY1HH470J | 9-C401 | AA | | |
| 〃 | 9-C402 | AA | | |
| VCCCPA1HH120J | 9-C305 | AA | | |
| VCCCPA1HH330J | 9-C316 | AA | | |
| 〃 | 9-C344 | AA | | |
| VCCSCY1HL5R0C | 9-C343 | AD | | |
| VCCSCY1HL820J | 9-C435 | AA | | |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|---|---|---|---|---|
| 〃 | 9-C436 | AA | | |
| VCCSPA1HL681J | 9-C245 | AA | | |
| VCCUPA1HJ100D | 9-C307 | AA | | |
| VCCUPA1HJ270J | 9-C310 | AA | | |
| VCCUPA1HJ5R0C | 9-C345 | AA | | |
| VCKYCY1EB103K | 9-C314 | AA | | |
| VCKYCY1EB183K | 9-C308 | AB | | |
| VCKYCY1EB333K | 9-C329 | AC | | |
| VCKYCY1EB563K | 9-C818 | AD | | |
| VCKYCY1HB101K | 9-C427 | AB | | |
| 〃 | 9-C428 | AB | | |
| VCKYCY1HB102K | 9-C101 | AA | | |
| 〃 | 9-C111 | AA | | |
| 〃 | 9-C112 | AA | | |
| 〃 | 9-C301 | AA | | |
| 〃 | 9-C332 | AA | | |
| 〃 | 9-C440 | AA | | |
| 〃 | 9-C717 | AA | | |
| 〃 | 9-C719 | AA | | |
| 〃 | 9-C809 | AA | | |
| VCKYCY1HB103K | 9-C306 | AA | | |
| 〃 | 9-C318 | AA | | |
| 〃 | 9-C327 | AA | | |
| 〃 | 9-C331 | AA | | |
| 〃 | 9-C339 | AA | | |
| 〃 | 9-C371 | AA | | |
| 〃 | 9-C413 | AA | | |
| 〃 | 9-C414 | AA | | |
| 〃 | 9-C614 | AA | | |
| 〃 | 9-C616 | AA | | |
| 〃 | 9-C709 | AA | | |
| 〃 | 9-C721 | AA | | |
| 〃 | 9-C813 | AA | | |
| 〃 | 9-C817 | AA | | |
| 〃 | 9-C820 | AA | | |
| VCKYCY1HB104K | 9-C104 | AD | | |
| 〃 | 9-C105 | AD | | |
| 〃 | 9-C108 | AD | | |
| 〃 | 9-C109 | AD | | |
| 〃 | 9-C113 | AD | | |
| 〃 | 9-C114 | AD | | |
| 〃 | 9-C120 | AD | | |
| 〃 | 9-C303 | AD | | |
| 〃 | 9-C313 | AD | | |
| 〃 | 9-C326 | AD | | |
| 〃 | 9-C338 | AD | | |
| 〃 | 9-C340 | AD | | |
| 〃 | 9-C443 | AD | | |
| 〃 | 9-C444 | AD | | |
| 〃 | 9-C460 | AD | | |
| 〃 | 9-C461 | AD | | |
| 〃 | 9-C463 | AD | | |
| 〃 | 9-C615 | AD | | |
| 〃 | 9-C652 | AD | | |
| 〃 | 9-C653 | AD | | |
| 〃 | 9-C711 | AD | | |
| 〃 | 9-C722 | AD | | |
| 〃 | 9-C723 | AD | | |
| 〃 | 9-C751 | AD | | |
| 〃 | 9-C801 | AD | | |
| 〃 | 9-C803 | AD | | |
| 〃 | 9-C804 | AD | | |
| 〃 | 9-C806 | AD | | |
| 〃 | 9-C808 | AD | | |
| 〃 | 9-C811 | AD | | |
| 〃 | 9-C819 | AD | | |
| 〃 | 9-C827 | AD | | |
| 〃 | 9-C828 | AD | | |
| 〃 | 9-C830 | AD | | |
| 〃 | 9-C832 | AD | | |
| 〃 | 9-C833 | AD | | |
| 〃 | 9-C835 | AD | | |
| 〃 | 9-C839 | AD | | |
| 〃 | 9-C840 | AD | | |
| 〃 | 9-C841 | AD | | |
| 〃 | 9-C849 | AD | | |
| 〃 | 9-C851 | AD | | |
| VCKYCY1HB153K | 9-C312 | AA | | |
| 〃 | 9-C407 | AA | | |
| 〃 | 9-C408 | AA | | |
| VCKYCY1HB222K | 9-C126 | AA | | |
| 〃 | 9-C127 | AA | | |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|---|---|---|---|---|
| 〃 | 9-C133 | AA | | |
| 〃 | 9-C134 | AA | | |
| 〃 | 9-C718 | AA | | |
| VCKYCY1HB223K | 9-C249 | AA | | |
| 〃 | 9-C348 | AA | | |
| 〃 | 9-C672 | AA | | |
| 〃 | 9-C673 | AA | | |
| 〃 | 9-C677 | AA | | |
| 〃 | 9-C678 | AA | | |
| VCKYCY1HB331K | 9-C411 | AA | | |
| 〃 | 9-C412 | AA | | |
| VCKYCY1HB332K | 9-C431 | AA | | |
| 〃 | 9-C432 | AA | | |
| VCKYCY1HB471K | 9-C472 | AA | | |
| 〃 | 9-C473 | AA | | |
| VCKYCY1HB472K | 9-C102 | AA | | |
| 〃 | 9-C103 | AA | | |
| 〃 | 9-C106 | AA | | |
| 〃 | 9-C107 | AA | | |
| 〃 | 9-C130 | AA | | |
| 〃 | 9-C131 | AA | | |
| 〃 | 9-C132 | AA | | |
| 〃 | 9-C349 | AA | | |
| 〃 | 9-C821 | AA | | |
| VCKYCY1HB473K | 9-C347 | AB | | |
| 〃 | 9-C812 | AB | | |
| 〃 | 9-C814 | AB | | |
| 〃 | 9-C826 | AB | | |
| VCKYCY1HB561K | 9-C403 | AA | | |
| 〃 | 9-C404 | AA | | |
| VCKYCY1HB562K | 9-C854 | AA | | |
| VCKYCY1HB682K | 9-C429 | AA | | |
| 〃 | 9-C430 | AA | | |
| VCKYPA1HB101K | 9-C842 | AA | | |
| 〃 | 9-C843 | AA | | |
| 〃 | 9-C847 | AA | | |
| VCKYPA1HB102J | 9-C309 | AA | | |
| 〃 | 9-C317 | AA | | |
| VCKYPA1HB561K | 9-C311 | AA | | |
| VCKYPA1HB563K | 9-C815 | AC | | |
| VCQPKA2AA222J | 9-C246 | AA | | |
| VCQYKA1HM273J | 9-C247 | AB | | |
| VCTYPA1CX473K | 9-C202 | AA | | |
| VHCSVC201//-1 | 3-D306 | AE | | |
| 〃 | 3-D307 | AE | | |
| VHCSVC347S/-1 | 3-D305 | AG | | |
| VHD1N4004//-1 | 3-D202 | AB | | |
| 〃 | 3-D656 | AB | | |
| 〃 | 3-D657 | AB | | |
| 〃 | 3-D658 | AB | | |
| 〃 | 3-D659 | AB | | |
| 〃 | 3-D684 | AB | | |
| 〃 | 3-D685 | AB | | |
| 〃 | 3-D690 | AB | | |
| 〃 | 3-D691 | AB | | |
| 〃 | 3-D705 | AB | | |
| 〃 | 3-D890 | AB | | |
| 〃 | 3-D891 | AB | | |
| VHD1N4148//-1 | 3-D107 | AA | | |
| 〃 | 3-D110 | AA | | |
| 〃 | 3-D201 | AA | | |
| 〃 | 3-D206 | AA | | |
| 〃 | 3-D207 | AA | | |
| 〃 | 3-D208 | AA | | |
| 〃 | 3-D209 | AA | | |
| 〃 | 3-D210 | AA | | |
| 〃 | 3-D401 | AA | | |
| 〃 | 3-D402 | AA | | |
| 〃 | 3-D403 | AA | | |
| 〃 | 3-D601 | AA | | |
| 〃 | 3-D602 | AA | | |
| 〃 | 3-D610 | AA | | |
| 〃 | 3-D660 | AA | | |
| 〃 | 3-D661 | AA | | |
| 〃 | 3-D662 | AA | | |
| 〃 | 3-D692 | AA | | |
| 〃 | 3-D701 | AA | | |
| 〃 | 3-D702 | AA | | |
| 〃 | 3-D703 | AA | | |
| VHD1N5395//-1 | 3-D101 | AB | | |
| 〃 | 3-D102 | AB | | |
| 〃 | 3-D103 | AB | | |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|---|---|---|---|---|
| 〃 | 3-D104 | AB | | |
| VHD1SS133//-1 | 3-D302 | AA | | |
| 〃 | 3-D303 | AA | | |
| VHDSR2400//-1 | 3-D663 | AC | | |
| 〃 | 3-D664 | AC | | |
| VHEDZ100BSB-1 | 3-ZD671 | AB | | |
| VHEDZ3R3BSB-1 | 3-ZD704 | AB | | |
| VHEDZ5R6BSB-1 | 3-ZD613 | AC | | |
| VHEDZH04B2+-1 | 3-ZD802 | AB | | |
| VHEDZH05C2+-1 | 3-ZD801 | AB | | |
| VHEDZH09C1+-1 | 3-ZD670 | AB | | |
| VHEMTZJ120B-1 | 3-ZD309 | AC | | |
| VHEMTZJ3R6B-1 | 3-ZD308 | AC | | |
| VHiAN78L05/-1 | 1-iC680 | AE | | |
| 〃 | 1-iC681 | AE | | |
| 〃 | 1-iC705 | AE | | |
| VHiBD3881FV-1 | 1-iC401 | AP | | |
| VHiLA4631++-1 | 1-iC101 | AM | | |
| VHiLA6548ND-1 | 1-iC802 | AL | | |
| VHiLC78690/-1 | 1-iC801 | BE | | |
| VHiLV23002M-1 | 1-iC301 | AS | | |
| VHLGP1U281X-1 | 11-RX701 | AH | | |
| VHPMPG3372X-V | 3-LED701 | AD | | |
| 〃 | 3-LED702 | AD | | |
| 〃 | 3-LED703 | AD | | |
| 〃 | 3-LED704 | AD | | |
| VP-DH100K0000 | 6-L303 | AB | | |
| VP-DH101K0000 | 6-L701 | AB | | |
| VP-DH1R0K0000 | 6-L101 | AC | | |
| 〃 | 6-L301 | AC | | |
| VP-DH470K0000 | 6-L308 | AB | | |
| VP-DHR82K0000 | 6-L502 | AE | | |
| 〃 | 6-L802 | AE | | |
| 〃 | 6-L803 | AE | | |
| 〃 | 6-L804 | AE | | |
| VP-MK102K0000 | 6-L204 | AB | | |
| VP-MK331K0000 | 6-L203 | AB | | |
| VRD-ST2CD100J | 10-R103 | AA | | |
| 〃 | 10-R104 | AA | | |
| 〃 | 10-R106 | AA | | |
| 〃 | 10-R107 | AA | | |
| 〃 | 10-R302 | AA | | |
| VRD-ST2CD101J | 10-R710 | AA | | |
| 〃 | 10-R722 | AA | | |
| 〃 | 10-R761 | AA | | |
| VRD-ST2CD102J | 10-R311 | AA | | |
| 〃 | 10-R446 | AA | | |
| 〃 | 10-R728 | AA | | |
| 〃 | 10-R733 | AA | | |
| 〃 | 10-R745 | AA | | |
| 〃 | 10-R746 | AA | | |
| 〃 | 10-R751 | AA | | |
| VRD-ST2CD103J | 10-R770 | AA | | |
| 〃 | 10-R771 | AA | | |
| VRD-ST2CD104J | 10-R303 | AA | | |
| 〃 | 10-R310 | AA | | |
| VRD-ST2CD123J | 10-R767 | AA | | |
| 〃 | 10-R815 | AA | | |
| VRD-ST2CD1R0J | 10-R820 | AA | | |
| 〃 | 10-R833 | AA | | |
| VRD-ST2CD223J | 10-R734 | AA | | |
| 〃 | 10-R764 | AA | | |
| 〃 | 10-R768 | AA | | |
| VRD-ST2CD243J | 10-R823 | AA | | |
| VRD-ST2CD272J | 10-R667 | AA | | |
| VRD-ST2CD273J | 10-R665 | AA | | |
| VRD-ST2CD332J | 10-R427 | AA | | |
| 〃 | 10-R428 | AA | | |
| 〃 | 10-R707 | AA | | |
| 〃 | 10-R753 | AA | | |
| 〃 | 10-R754 | AA | | |
| VRD-ST2CD333J | 10-R712 | AA | | |
| VRD-ST2CD391J | 10-R323 | AA | | |
| 〃 | 10-R814 | AA | | |
| VRD-ST2CD392J | 10-R765 | AA | | |
| VRD-ST2CD471J | 10-R806 | AA | | |
| VRD-ST2CD473J | 10-R713 | AA | | |
| VRD-ST2CD682J | 10-R766 | AA | | |
| 〃 | 10-R829 | AA | | |
| VRD-ST2CD820J | 10-R840 | AA | | |
| VRD-ST2CD821J | 10-R672 | AA | | |
| VRD-ST2CD822J | 10-R802 | AA | | |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|---|---|---|---|---|
| VRD-ST2CD823J | 10-R769 | AA | | |
| VRD-ST2EE102J | 10-R657 | AA | | |
| VRD-ST2EE121J | 10-R546 | AA | | |
| VRD-ST2EE221J | 10-R101 | AA | | |
| 〃 | 10-R102 | AA | | |
| VRD-ST2EE390J | 10-R266 | AA | | |
| VRD-ST2EE4R7J | 10-R267 | AA | | |
| VRS-CY1JB000J | 10-R309 | AA | | |
| 〃 | 10-R801 | AA | | |
| 〃 | 10-JP302 | AA | | |
| 〃 | 10-JP401 | AA | | |
| 〃 | 10-JP503 | AA | | |
| 〃 | 10-JP801 | AA | | |
| 〃 | 10-JP802 | AA | | |
| 〃 | 10-JR303 | AA | | |
| 〃 | 10-JR304 | AA | | |
| VRS-CY1JB100J | 10-R306 | AA | | |
| VRS-CY1JB101J | 10-R336 | AA | | |
| 〃 | 10-R401 | AA | | |
| 〃 | 10-R402 | AA | | |
| 〃 | 10-R748 | AA | | |
| 〃 | 10-R807 | AA | | |
| VRS-CY1JB102J | 10-R221 | AA | | |
| 〃 | 10-R222 | AA | | |
| 〃 | 10-R308 | AA | | |
| 〃 | 10-R321 | AA | | |
| 〃 | 10-R324 | AA | | |
| 〃 | 10-R445 | AA | | |
| 〃 | 10-R723 | AA | | |
| 〃 | 10-R727 | AA | | |
| 〃 | 10-R741 | AA | | |
| 〃 | 10-R742 | AA | | |
| 〃 | 10-R743 | AA | | |
| 〃 | 10-R744 | AA | | |
| 〃 | 10-R747 | AA | | |
| 〃 | 10-R749 | AA | | |
| 〃 | 10-R750 | AA | | |
| 〃 | 10-R772 | AA | | |
| 〃 | 10-R773 | AA | | |
| VRS-CY1JB103J | 10-R212 | AA | | |
| 〃 | 10-R217 | AA | | |
| 〃 | 10-R225 | AA | | |
| 〃 | 10-R227 | AA | | |
| 〃 | 10-R293 | AA | | |
| 〃 | 10-R313 | AA | | |
| 〃 | 10-R316 | AA | | |
| 〃 | 10-R407 | AA | | |
| 〃 | 10-R408 | AA | | |
| 〃 | 10-R429 | AA | | |
| 〃 | 10-R430 | AA | | |
| 〃 | 10-R447 | AA | | |
| 〃 | 10-R448 | AA | | |
| 〃 | 10-R456 | AA | | |
| 〃 | 10-R671 | AA | | |
| 〃 | 10-R725 | AA | | |
| 〃 | 10-R729 | AA | | |
| 〃 | 10-R732 | AA | | |
| 〃 | 10-R774 | AA | | |
| 〃 | 10-R813 | AA | | |
| 〃 | 10-R816 | AA | | |
| 〃 | 10-R853 | AA | | |
| VRS-CY1JB104J | 10-R265 | AA | | |
| 〃 | 10-R304 | AA | | |
| 〃 | 10-R305 | AA | | |
| 〃 | 10-R319 | AA | | |
| 〃 | 10-R322 | AA | | |
| 〃 | 10-R328 | AA | | |
| 〃 | 10-R704 | AA | | |
| 〃 | 10-R726 | AA | | |
| 〃 | 10-R810 | AA | | |
| 〃 | 10-R811 | AA | | |
| 〃 | 10-R831 | AA | | |
| VRS-CY1JB121J | 10-R405 | AA | | |
| 〃 | 10-R406 | AA | | |
| VRS-CY1JB122J | 10-R115 | AA | | |
| 〃 | 10-R473 | AA | | |
| 〃 | 10-R474 | AA | | |
| 〃 | 10-R730 | AA | | |
| VRS-CY1JB123J | 10-R663 | AA | | |
| 〃 | 10-R664 | AA | | |
| 〃 | 10-R666 | AA | | |
| VRS-CY1JB151J | 10-R835 | AA | | |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|---|---|---|---|---|
| VRS-CY1JB153J | 10-R440 | AA | | |
| 〃 | 10-R441 | AA | | |
| 〃 | 10-R828 | AA | | |
| VRS-CY1JB154J | 10-R735 | AA | | |
| VRS-CY1JB182J | 10-R415 | AA | | |
| 〃 | 10-R416 | AA | | |
| 〃 | 10-R417 | AA | | |
| 〃 | 10-R418 | AA | | |
| 〃 | 10-R443 | AA | | |
| 〃 | 10-R444 | AA | | |
| 〃 | 10-R455 | AA | | |
| VRS-CY1JB183J | 10-R219 | AA | | |
| 〃 | 10-R220 | AA | | |
| 〃 | 10-R224 | AA | | |
| VRS-CY1JB203J | 10-R834 | AA | | |
| VRS-CY1JB221J | 10-R327 | AA | | |
| VRS-CY1JB222J | 10-R213 | AA | | |
| 〃 | 10-R214 | AA | | |
| 〃 | 10-R215 | AA | | |
| 〃 | 10-R216 | AA | | |
| 〃 | 10-R218 | AA | | |
| 〃 | 10-R226 | AA | | |
| 〃 | 10-R228 | AA | | |
| 〃 | 10-R296 | AA | | |
| 〃 | 10-R307 | AA | | |
| 〃 | 10-R332 | AA | | |
| 〃 | 10-R433 | AA | | |
| 〃 | 10-R434 | AA | | |
| 〃 | 10-R756 | AA | | |
| VRS-CY1JB223J | 10-R459 | AA | | |
| 〃 | 10-R460 | AA | | |
| 〃 | 10-R762 | AA | | |
| VRS-CY1JB225J | 10-R817 | AA | | |
| VRS-CY1JB243J | 10-R824 | AA | | |
| VRS-CY1JB271J | 10-R295 | AA | | |
| VRS-CY1JB272J | 10-R439 | AA | | |
| 〃 | 10-R442 | AA | | |
| VRS-CY1JB303J | 10-R471 | AA | | |
| 〃 | 10-R472 | AA | | |
| VRS-CY1JB330J | 10-R331 | AA | | |
| VRS-CY1JB331J | 10-R329 | AA | | |
| 〃 | 10-R334 | AA | | |
| 〃 | 10-R804 | AA | | |
| 〃 | 10-R819 | AA | | |
| VRS-CY1JB332J | 10-R112 | AA | | |
| 〃 | 10-R113 | AA | | |
| 〃 | 10-R312 | AA | | |
| 〃 | 10-R469 | AA | | |
| 〃 | 10-R702 | AA | | |
| 〃 | 10-R705 | AA | | |
| 〃 | 10-R706 | AA | | |
| 〃 | 10-R709 | AA | | |
| 〃 | 10-R752 | AA | | |
| 〃 | 10-R755 | AA | | |
| 〃 | 10-R791 | AA | | |
| 〃 | 10-R799 | AA | | |
| 〃 | 10-R837 | AA | | |
| VRS-CY1JB333J | 10-R116 | AA | | |
| 〃 | 10-R117 | AA | | |
| 〃 | 10-R223 | AA | | |
| 〃 | 10-R470 | AA | | |
| 〃 | 10-R603 | AA | | |
| 〃 | 10-R731 | AA | | |
| VRS-CY1JB334J | 10-R457 | AA | | |
| 〃 | 10-R458 | AA | | |
| 〃 | 10-R736 | AA | | |
| VRS-CY1JB392J | 10-R763 | AA | | |
| VRS-CY1JB393J | 10-R812 | AA | | |
| VRS-CY1JB394J | 10-R411 | AA | | |
| 〃 | 10-R412 | AA | | |
| 〃 | 10-R721 | AA | | |
| VRS-CY1JB3R3J | 10-R805 | AA | | |
| VRS-CY1JB470J | 10-R757 | AA | | |
| 〃 | 10-R758 | AA | | |
| 〃 | 10-R776 | AA | | |
| VRS-CY1JB471J | 10-R775 | AA | | |
| 〃 | 10-R783 | AA | | |
| VRS-CY1JB472J | 10-R271 | AA | | |
| 〃 | 10-R272 | AA | | |
| 〃 | 10-R314 | AA | | |
| 〃 | 10-R315 | AA | | |
| 〃 | 10-R467 | AA | | |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|---|---|---|---|---|
| 〃 | 10-R468 | AA | | |
| 〃 | 10-R656 | AA | | |
| 〃 | 10-R658 | AA | | |
| VRS-CY1JB473J | 10-R262 | AA | | |
| 〃 | 10-R294 | AA | | |
| 〃 | 10-R317 | AA | | |
| 〃 | 10-R318 | AA | | |
| 〃 | 10-R320 | AA | | |
| 〃 | 10-R326 | AA | | |
| 〃 | 10-R403 | AA | | |
| 〃 | 10-R404 | AA | | |
| 〃 | 10-R465 | AA | | |
| 〃 | 10-R466 | AA | | |
| 〃 | 10-R714 | AA | | |
| 〃 | 10-R715 | AA | | |
| VRS-CY1JB561J | 10-R606 | AA | | |
| VRS-CY1JB562J | 10-R120 | AA | | |
| 〃 | 10-R724 | AA | | |
| VRS-CY1JB563J | 10-R119 | AA | | |
| VRS-CY1JB681J | 10-R333 | AA | | |
| 〃 | 10-R825 | AA | | |
| 〃 | 10-R826 | AA | | |
| VRS-CY1JB682J | 10-R131 | AA | | |
| 〃 | 10-R132 | AA | | |
| 〃 | 10-R551 | AA | | |
| 〃 | 10-R552 | AA | | |
| 〃 | 10-R553 | AA | | |
| 〃 | 10-R558 | AA | | |
| 〃 | 10-R559 | AA | | |
| 〃 | 10-R841 | AA | | |
| 〃 | 10-R842 | AA | | |
| 〃 | 10-R844 | AA | | |
| 〃 | 10-R845 | AA | | |
| 〃 | 10-R851 | AA | | |
| VRS-CY1JB683J | 10-R827 | AA | | |
| VRS-CY1JB820J | 10-R830 | AA | | |
| 〃 | 10-R832 | AA | | |
| VRS-CY1JB822J | 10-R803 | AA | | |
| VS2HA1015GR-1 | 2-Q206 | AB | | |
| 〃 | 2-Q611 | AB | | |
| VS2HC1815GR-1 | 2-Q104 | AB | | |
| 〃 | 2-Q211 | AB | | |
| 〃 | 2-Q212 | AB | | |
| 〃 | 2-Q301 | AB | | |
| 〃 | 2-Q410 | AB | | |
| 〃 | 2-Q411 | AB | | |
| 〃 | 2-Q655 | AB | | |
| 〃 | 2-Q657 | AB | | |
| 〃 | 2-Q701 | AB | | |
| 〃 | 2-Q703 | AB | | |
| 〃 | 2-Q704 | AB | | |
| VS2SA1235F+-1 | 2-Q664 | AD | | |
| 〃 | 2-Q801 | AD | | |
| VS2SB561-C/-1 | 2-Q215 | AC | | |
| 〃 | 2-Q217 | AC | | |
| 〃 | 2-Q227 | AC | | |
| VS2SB562-C/-1 | 2-Q613 | AD | | |
| VS2SC1845F/-1 | 2-Q207 | AC | | |
| 〃 | 2-Q208 | AC | | |
| 〃 | 2-Q209 | AC | | |
| 〃 | 2-Q210 | AC | | |
| VS2SC2001-K-1 | 2-Q226 | AD | | |
| VS2SC3052F+-1 | 2-Q705 | AD | | |
| 〃 | 2-Q805 | AD | | |
| VS2SC5477++-1 | 2-Q302 | AD | | |
| 〃 | 2-Q303 | AD | | |
| VS2SK2541//-1 | 2-Q665 | AC | | |
| VSKRA107M//-1 | 2-Q238 | AE | | |
| 〃 | 2-Q612 | AE | | |
| 〃 | 2-Q659 | AE | | |
| 〃 | 2-Q660 | AE | | |
| 〃 | 2-Q661 | AE | | |
| 〃 | 2-Q663 | AE | | |
| VSKRC101M//-1 | 2-Q213 | AB | | |
| 〃 | 2-Q214 | AB | | |
| 〃 | 2-Q225 | AB | | |
| 〃 | 2-Q228 | AB | | |
| 〃 | 2-Q662 | AB | | |
| VSKRC106M//-1 | 2-Q216 | AB | | |
| 〃 | 2-Q218 | AB | | |
| 〃 | 2-Q230 | AB | | |
| VSKRC107M//-1 | 2-Q237 | AC | | |

| PARTS CODE | No. | PRICE RANK | NEW MARK | PART RANK |
|---|---|---|---|---|
| VSKTC2026Y/-1 | 2-Q658 | AE | | |
| 〃 | 2-Q806 | AE | | |
| VSKTC3200GR-1 | 2-Q802 | AC | | |
| 【 X 】 | | | | |
| XHBSN30P06000 | 12-605 | AA | | |
| XHBY930P06000 | 12-606 | | | |
| XJBSN25P10000 | 12-607 | AA | | |
| XJBSN30P08000 | 12-608 | AA | | |
| XJBY925P08000 | 12-609 | AA | | |
| XJBY930P10000 | 12-610 | AA | | |
| XJBY930P12000 | 12-611 | AA | | |
| 【 9 】 | | | | |
| 94R192104310 | 12-221- 3 | AL | | |
| 94R19210703 | 12-221- 1 | AE | | |
| 9GD19210943 | 12-221- 2 | AG | | |
| 9GD192112347 | 11-M901 | AX | | |
| 9GD19212118 | 11-SOL901 | AP | | |
| 〃 | 12-221- 4 | AP | | |
| 9GD192121303 | 12-221-10 | AZ | | |
| 9GD192121306 | 12-221-11 | AP | | |
| 9GD60990201 | 12-221- 9 | AP | | |
| 9GD62070122 | 12-221- 6 | AK | | |
| 9GD62161401 | 12-221- 5 | AN | | |
| 9GD640101210 | 11-SW901 | AE | | |
| 〃 | 11-SW902 | AE | | |
| 〃 | 12-221- 7 | AE | | |
| 〃 | 12-221- 8 | AE | | |

**"HOW TO ORDER REPLACEMENT PARTS"**

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

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## Explanation of capacitors/resistors parts codes

### Capacitors

VCC ..... Ceramic type
VCK ..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN ..... Cylindrical type (without lead wire)
VC • • TV ..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

### Resistors

VRD ..... Carbon-film type
VRS ..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN ..... Cylindrical type (without lead wire)
VR • • TV ..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

**-MEMO-**

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